

**NSK** PROFESSIONAL PRODUCTS 6 EDITION

# PROFESSIONAL PRODUCTS

Create it 

**NSK**

## AIR TURBINES

Ti-Max Z / S-Max M / S-Max pico  
Ti-Max X450 / Pana-Max2

**P.18-47**

## CONTRA-ANGLES

Ti-Max Z / Ti-Max X / S-Max M  
FX Series / EX Series / isoE-LUX

**P.48-75**

## CLINICAL MICROMOTORS

NLZ / Ti-Max X205L  
S-Max M205

**P.76-89**

## ORAL HYGIENE

Varios Combi Pro / Varios 970  
Varios 370 / Proply-Mate neo  
Perio-Mate / Ti-Max S970

**P.90-143**

## ENDODONTICS

ENDO-MATE TC2 / ENDO-MATE AT  
iPex II

**P.144-153**

## MOBILE DENTISTRY

Dentalone / VIVA ace / VIVAMATE G5

**P.154-165**

## SURGICAL

Surgic Pro2 / Osseo 100+  
Implant Handpieces / Micro Surgery Handpieces  
Micro Saw Handpieces / iSD900 / VarioSurg 3

**P.166-221**

## AUTOCLAVE

iClave plus

**P.222-229**

## MAINTENANCE

iCare / PANA SPRAY Plus

**P.230-241**

## DENTAL LABORATORY

ULTIMATE XL Series / VOLERE i7  
PRESTO Series

**P.242-253**

## SPARE PARTS / COMPONENTS

**P.254-274**

**Create it** 

Smiling, laughing & eating delicious food.

Dental care is directly linked to a happy life and is inexplicably linked to a healthy life expectancy.

NSK creates various values for all stakeholders, on a mission to contribute to the best dental care.

Innovative technology, high precision/quality and stress-free products. Allowing confidence and security, to build trust with customers, smiles of patients and a bright future.

NSK is always close to people and this corresponds to long term dental health.

**Create\_**

**innovation**

**precision**

**quality**

**professionalism**

**confidence**

**partnership**

**hospitality**

**sustainability**

**smile**

**tomorrow**

# Made In KANUMA

"RD1" is the R&D center, with state-of-the-art equipment and highly trained engineering teams.

"A1" Factory is the world's largest (in its class) cutting-edge factory in ultra-precision machining for dental handpieces.

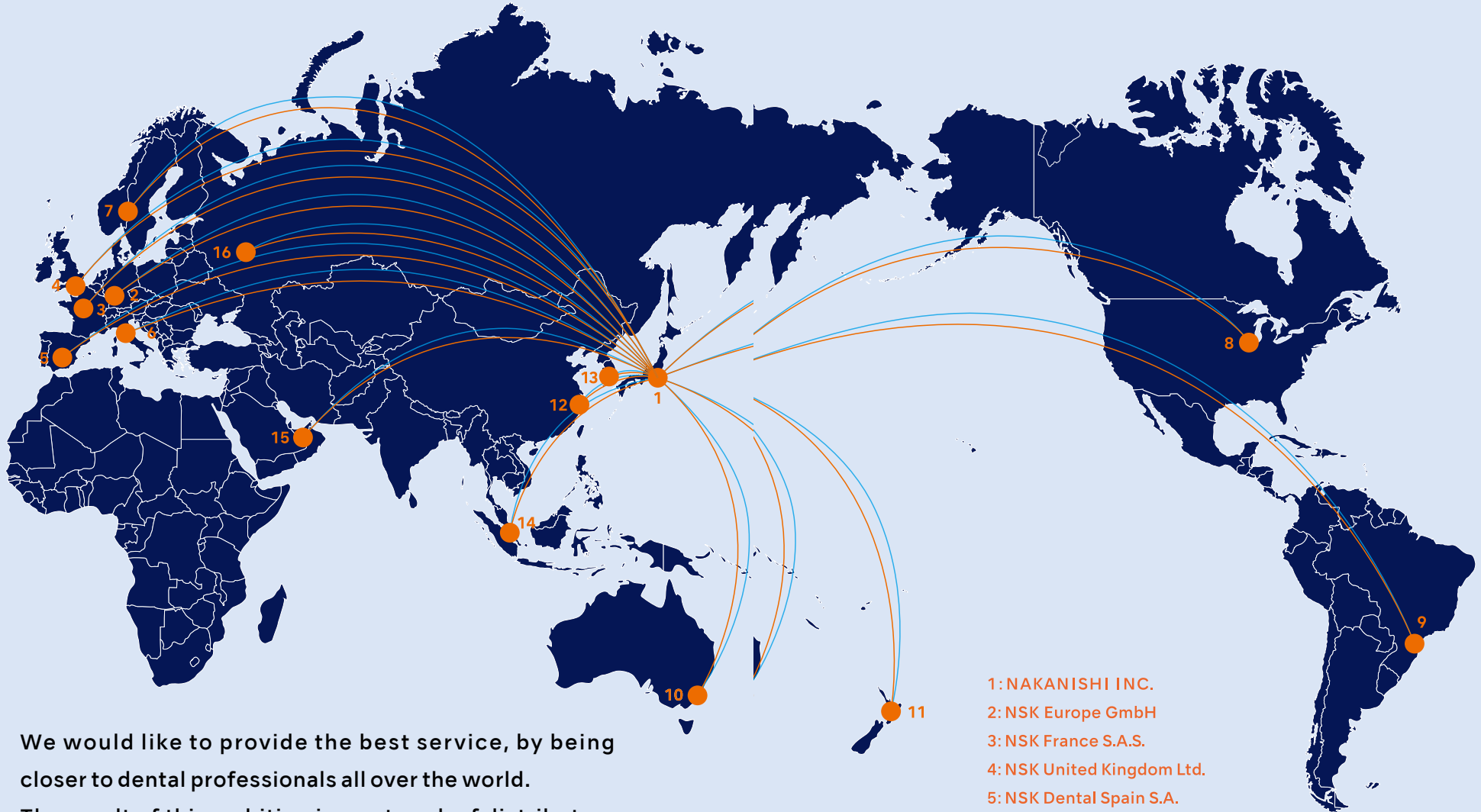
All NSK products are developed and produced in Japan and shipped worldwide.

This comes from our faith, that development and production should be integrated in order to make the best products.

NSK creates innovation in KANUMA, Japan.



# Global Network



We would like to provide the best service, by being closer to dental professionals all over the world. The result of this ambition is a network of distributors covering 16 overseas sales subsidiaries, as well as distributors covering 135 countries. Your voice is important, the sales people of NSK will continue to support you day-to-day in order to be able to meet any requests and suggestions you have.

- 1: NAKANISHI INC.
- 2: NSK Europe GmbH
- 3: NSK France S.A.S.
- 4: NSK United Kingdom Ltd.
- 5: NSK Dental Spain S.A.
- 6: NSK Dental Italy S.r.l
- 7: NSK Dental Nordic AB
- 8: NSK America Corp.
- 9: NSK America Latina Ltda.
- 10: NSK Oceania Pty. Ltd.
- 11: NSK Oceania Ltd.
- 12: NSK Shanghai Co.,Ltd.
- 13: NSK Dental Korea Co.,Ltd.
- 14: NSK Nakanishi Asia Pte. Ltd.
- 15: NSK Middle East FZCO
- 16: NSK RUS LLC

# Pioneer of Infection Control

= **DualDefence™**

As a dental instrument manufacturer, NSK always puts the safety of users, support staff and patients first. With that in mind, NSK has been searching for solutions to prevent infection for over 30 years. This fact and track record proves that NSK is the industry's leading brand in infection control.

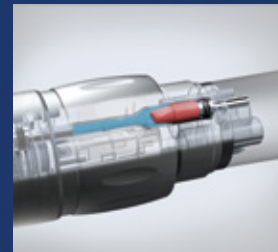


## CLEAN HEAD SYSTEM



The Anti-Suckback system prevents blood and dirt from entering the air lines.

## ANTI-RETRACTION VALVE



The Anti-Retraction Valve system prevents blood and debris from entering the water lines.

NSK 'Infection Control'  
special webpage ▶



# The Environment

NSK believes that it is an important mission to create products that contribute to the environment.

In order to protect the future global environment, we aim to reduce the environmental load and establish a "low-carbon, high recycling, and symbiotic society".

In the rich scenery of Kanuma-Japan, that changes its expression from season to season.

Recycling rate of cutting oil ..... **97%**

Renewable energy usage\* ..... **100%**


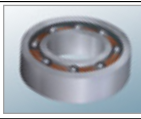









Waste resource recovery rate ..... **99.3%**

\* Total power of headquarters facility.





## NSK Advantages

<p><b>NSK Cellular Glass Optic</b></p> <p>Cellular Glass Optic delivers brilliant illumination, is highly durable and will not deteriorate due to repeated sterilization.</p>	
<p><b>NSK Ceramic Bearings</b></p> <p>Ceramic Bearings are 25% harder than conventional steel bearings but are only half the weight. Because frictional wear between the ball bearings and the bearing retainer is significantly reduced the efficiency and durability is significantly increased.</p>	
<p><b>NSK Clean Head System</b></p> <p>The NSK Clean Head System is a special mechanism designed to automatically prevent the entry of oral fluids and other contaminants into the handpiece head prolonging the life of the bearings.</p>	
<p><b>NSK Push Button Chuck</b></p> <p>Push Button Chuck is NSK's original push button auto-chuck mechanism that tightens the bur grip during rotation. It allows one-touch bur insertion and removal without tools. The bur lock mechanism is designed so that bur retention strength increases when high loads are applied to the bur.</p>	
<p><b>NSK Quattro Water Spray</b></p> <p>The NSK Quattro Water Spray effectively cools the entire surface of the bur with a high cooling effect, leaving no areas uncovered.</p>	
<p><b>NSK Non-Retraction Valve</b></p> <p>A Non-Retraction Valve is integrated inside the coupling and inside air motors. It prevents retraction of contaminated fluids into the handpiece water lines. In combination with the Clean Head System, the Non-Retraction Valve provides an effective method to effectively reduce possible internal contamination.</p>	
<p><b>NSK Ergonomic Comfort Grip</b></p> <p>NSK is dedicated to designing handpieces that adapt comfortably to the human hand form, even during extended treatment periods. This is relevant to all hand sizes. Titanium is the optimum material to especially offer lightweight comfort, tactile sensitivity, and the ideal grip texture even for gloved hands.</p>	
<p><b>NSK Scratchless DURAGRIP</b></p> <p>Special surface processed body pursuing usability and operability is designed to improve comfortability of holding while equal scratch resistancy as DURACOAT is maintained.</p>	
<p><b>NSK Scratchless DURACOAT</b></p> <p>DURACOAT, NSK's latest surface enhancement technology, takes advantage of the non allergic and biocompatible properties of titanium to further improve durability. DURACOAT creates a smooth, scratch resistant surface which is comfortable to hold.</p>	
<p><b>Autoclavable</b></p> <p>All NSK handpieces offer superior durability and continued performance, even when frequently autoclaved. All handpieces may be autoclavable up to 135°C.</p>	
<p><b>Thermo-disinfector Ready</b></p> <p>Disinfecting handpieces prior to autoclaving is a recommendable practice for more effective infection control. The symbol mark on your NSK product means you can cleanse and disinfect the handpiece using a thermo-disinfector.</p>	

■ Please quote both the Model & Order Code.

# Couplings

## For NSK



LUX Coupling



- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	<b>PTL-CL-LED</b>	<b>P1001600</b>

- Water volume adjuster
- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	<b>PTL-CL-LEDIII</b>	<b>P1001601</b>

## For KaVo®



LUX Coupling



- Water volume adjuster
- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	<b>KCL-LED</b>	<b>P1005600</b>

## For Sirona®



LUX Coupling



- Water volume adjuster
- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	<b>SCL-LED</b>	<b>P1009600</b>

## For NSK



Midwest 4 hole

- Stainless Steel Body
- Anti-Retraction Valve



Non-Optic	MODEL	ORDER CODE
—	<b>FM-CL-M4</b>	<b>P434051</b>

## For NSK



Borden 2/3 hole

- Stainless Steel Body
- Anti-Retraction Valve



Non-Optic	MODEL	ORDER CODE
—	<b>FM-CL-B2/3</b>	<b>P432051</b>

## NSK Coupling System

	Ti-Max Z	S-Max M	S-Max Pico	Ti-Max X450	Pana-Max2*	Ti-Max S970	PhoPhy-Mate r180*	Perio-Mate*
<b>NSK LED</b> PTL-CL-LED PTL-CL-LEDIII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	—	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>NSK Non-Optic</b> FM-CL-M4	—	<input type="radio"/>	—	—	—	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>KaVo® LED</b> KCL-LED	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	—	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Sirona® LED</b> SCL-LED	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	—	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>W&amp;H®</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	—	—	<input type="radio"/>	<input type="radio"/>
<b>Bien-Air®</b>	—	<input type="radio"/>	—	<input type="radio"/>	—	—	<input type="radio"/>	<input type="radio"/>
<b>Midwest 4 hole</b> (Direct-connect / Screw-on Type)	—	—	—	—	<input type="radio"/>	—	<input type="radio"/>	<input type="radio"/>
<b>Borden 2 hole</b> (Direct-connect / Screw-on Type)	—	—	—	—	<input type="radio"/>	—	<input type="radio"/>	<input type="radio"/>

\*Handpiece will operate without optic illumination

AIR TURBINES





	Ti-Max Z	S-Max M	Ti-Max X450	S-Max pico	Pana-Max Plus	Pana-Max2
<b>Grade</b>	PREMIUM	ADVANCED	SPECIAL	SPECIAL	BASIC	BASIC
<b>Body</b>	Titanium	Stainless	Titanium	Stainless	Stainless	Stainless
<b>DURAGRIP</b>	●					
<b>DURACOAT</b>			●			
<b>Ceramic Bearings</b>	●	●	●	●	●	●
<b>Cellular Glass Optics</b>	●	●	●	●		
<b>Clean Head System</b>	●	●	●	●	●	●
<b>Push Button Chuck</b>	●	●	●	●	●	●
<b>Water Spray</b>	Quattro	Quattro	Triple	Single	Quattro	Single
<b>Microfilter</b>	●					
<b>Ergo Grip</b>	●	●	●	●	●	●

# Ti-Max Z

Premium



**POWERFUL**

**Evolving to Redefine Performance**

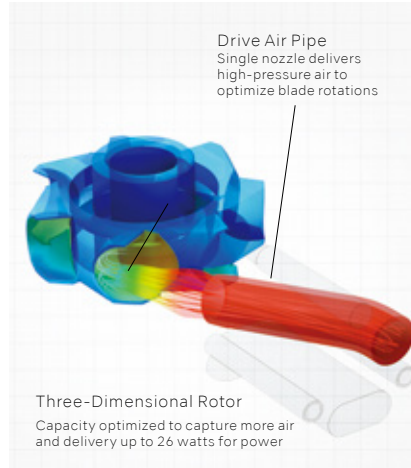
Z turbines deliver consistent power, and due to their ergonomic design they are easier to handle and give a more comfortable patient experience.

Z series turbines deliver everything and more than you would expect from a high performance air turbine.

All of this is the result of our ethos of consistently aiming to exceed expectations, uncompromising product design and ultra precision manufacturing technology to deliver ever improving levels of comfort for clinicians and patients.

With up to an incredible 26 watts\* of output, our air turbines will revolutionize your dental practice.

\*With the Z900L

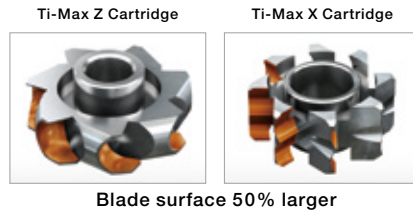


**Miniature Parts for Maximum Power, Reflecting NSK's Pursuit of The Optimum Rotor Shape**

**New Three-Dimensional Rotor**

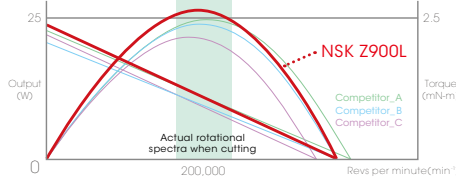
We harnessed the latest computer analysis software to develop a rotor with higher output. We created a new three-dimensional curved shape after relentless simulations and pilot production. The blade is 50% larger than that of the Ti-Max X Air Turbine. With this new rotor, the air turbine delivers an amazing 26 watts\* of power.

\*With the Z900L



**High Output for Smoother Cutting**

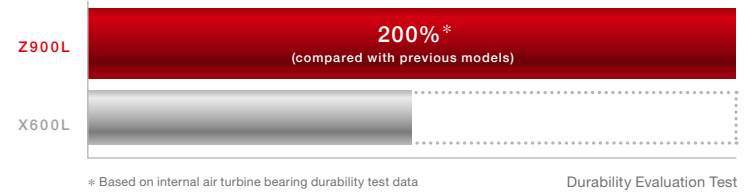
The 26 watts power output from the new rotor significantly enhances the performance during clinical applications. This can dramatically reduce treatment time and noticeably improve treatment comfort for the clinician and patient alike.



**DURABLE**

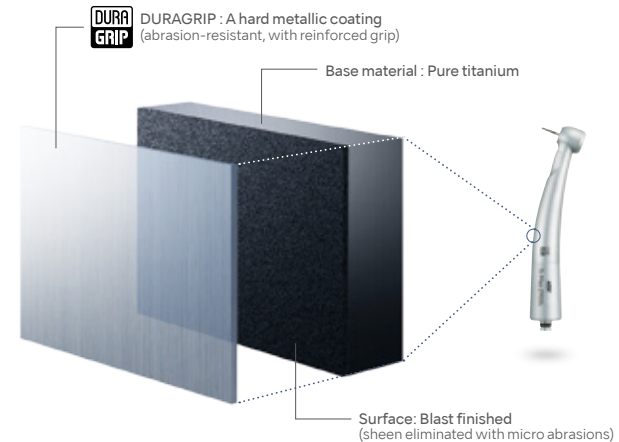
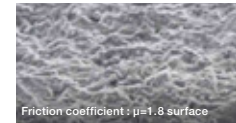
**Advanced Technology a Key Factor in Significantly Increased Durability of Ti-Max Z**

We completely redesigned the shape and found better materials for the bearing retainer to reduce frictional resistance and developed a new type of bearing to almost double the durability to accommodate constant thermodisinfector and autoclave usage.

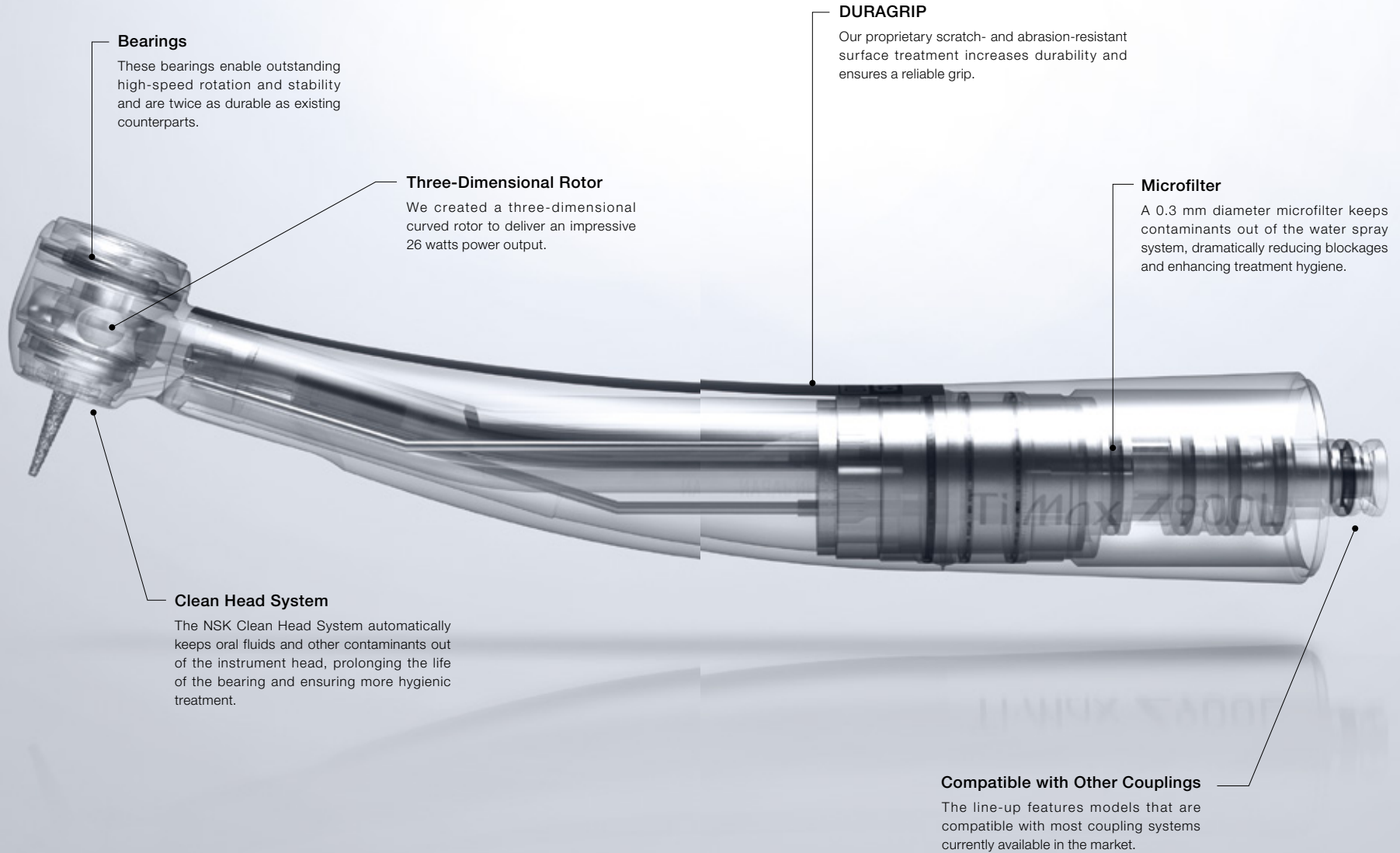


**DURAGRIP Non-Slip, Scratch-Resistant Surface Treatment Technology**

We blast-finish the pure titanium body surface utilising micro-abrasion before applying the DURAGRIP surface finish. The micro-abrasion enhances resistance to scratches and contributes to the firm, reliable non-slip grip.



**TECHNOLOGY & FUNCTION**



**Bearings**

These bearings enable outstanding high-speed rotation and stability and are twice as durable as existing counterparts.

**Three-Dimensional Rotor**

We created a three-dimensional curved rotor to deliver an impressive 26 watts power output.

**DURAGRIP**

Our proprietary scratch- and abrasion-resistant surface treatment increases durability and ensures a reliable grip.

**Microfilter**

A 0.3 mm diameter microfilter keeps contaminants out of the water spray system, dramatically reducing blockages and enhancing treatment hygiene.

**Clean Head System**

The NSK Clean Head System automatically keeps oral fluids and other contaminants out of the instrument head, prolonging the life of the bearing and ensuring more hygienic treatment.

**Compatible with Other Couplings**

The line-up features models that are compatible with most coupling systems currently available in the market.

# Ti-Max Z Premium



- Titanium Body
- DURAGRIP
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray
- Microfilter



**Miniature Head**

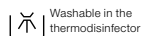
Power : 23 W  
 : 21 W (except Z800L)  
 Speed : 360,000-440,000 min<sup>-1</sup>  
 Head Size : ø10.8 x H 12.1 mm  
 Dual use for regular standard bur / short shank bur



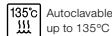
**Standard Head**

Power : 26 W  
 : 24 W (except Z900L)  
 Speed : 320,000-400,000 min<sup>-1</sup>  
 Head Size : ø12.5 x H 13.1 mm  
 Dual use for regular standard bur / short shank bur

NSK Couplings	Head	Optic	MODEL	ORDER CODE
	<b>Miniature</b>	●	<b>Z800L</b>	<b>P1110</b>
	<b>Standard</b>	●	<b>Z900L</b>	<b>P1111</b>
KaVo® Coupling	Head	Optic	MODEL	ORDER CODE
	<b>Miniature</b>	●	<b>Z800KL</b>	<b>P1112</b>
	<b>Standard</b>	●	<b>Z900KL</b>	<b>P1113</b>
Sirona® Coupling	Head	Optic	MODEL	ORDER CODE
	<b>Miniature</b>	●	<b>Z800SL</b>	<b>P1114</b>
	<b>Standard</b>	●	<b>Z900SL</b>	<b>P1115</b>
W&H® Coupling	Head	Optic	MODEL	ORDER CODE
	<b>Miniature</b>	●	<b>Z800WL*</b>	<b>P1120</b>
	<b>Standard</b>	●	<b>Z900WL*</b>	<b>P1121</b>

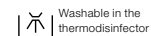


Washable in the thermodisinfectant



Autoclavable up to 135°C

\*Compatible Turbines with Integral LED



Washable in the thermodisinfectant



Autoclavable up to 135°C

# S-Max M

Advanced



## MORE POWERFUL

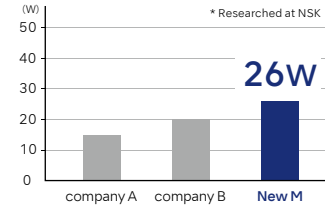


The new rotor design is optimized using a rotating air flow simulation, resulting in 26W of power through the efficient use of air supply energy.

### 26W power

The internal structure is completely redesigned to achieve superior noise and vibration reduction, including the new 26W high power rotor.

Power compared with the same handpiece class offered by other manufacturers.



Power [W] at 0.3MPa

## DURABILITY

### All stainless body

The handpiece body is stainless steel, making it corrosion resistant and sturdy. Its satin-like finish fits comfortably in your hand.

### Ceramic bearings

The ceramic bearings are 25% harder than steel and around half the weight, meaning very little wear, which helps the cartridge to last longer.

### Clean Head System

The Clean Head System has an anti-suck back mechanism that stops blood and foreign matter from entering the head from the oral cavity. As a result, the ball bearings and mechanical parts last longer.

## USABILITY

### Simple cartridge change

The handpiece is designed with barrel type cartridge. The cartridge is easy to replace. Changing the cartridge also eliminates water blockage.

### Quattro spray

Sprays more effectively over the entire bur for better cooling.

### Push Button Chuck

The bur is released easily with the responsive and tactile push button.



# S-Max M Advanced



- Stainless Steel Body
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray
- Simple Cartridge Change



**Miniature Head**  
 Power : 23 W  
 Speed : 380,000-450,000 min<sup>-1</sup>  
 Head Size : ø10.6 x H 12.4 mm



**Standard Head**  
 Power : 26 W  
 Speed : 325,000-430,000 min<sup>-1</sup>  
 Head Size : ø12.1 x H 13.3 mm

NSK Couplings	Head	Optic	MODEL	ORDER CODE
<b>Miniature</b>	●		<b>M800L</b>	<b>P1253</b>
	—		<b>M800</b>	<b>P1255</b>
<b>Standard</b>	●		<b>M900L</b>	<b>P1254</b>
	—		<b>M900</b>	<b>P1256</b>

KaVo® Coupling	Head	Optic	MODEL	ORDER CODE
<b>Miniature</b>	●		<b>M800KL</b>	<b>P1257</b>
	—		<b>M900K</b>	<b>P1259</b>
<b>Standard</b>	●		<b>M900KL</b>	<b>P1258</b>
	—		<b>M900K</b>	<b>P1259</b>

Sirona® Coupling	Head	Optic	MODEL	ORDER CODE
<b>Miniature</b>	●		<b>M800SL</b>	<b>P1261</b>
	—			
<b>Standard</b>	●		<b>M900SL</b>	<b>P1262</b>
	—			

W&H® Coupling	Head	Optic	MODEL	ORDER CODE
<b>Miniature</b>	●		<b>M800WL*</b>	<b>P1265</b>
	—		<b>M900W</b>	<b>P1287</b>
<b>Standard</b>	●		<b>M900WL*</b>	<b>P1266</b>
	—		<b>M900W</b>	<b>P1287</b>

Bien-Air® Coupling	Head	Optic	MODEL	ORDER CODE
<b>Miniature</b>	●		<b>M800BL*</b>	<b>P1263</b>
	—			
<b>Standard</b>	●		<b>M900BL*</b>	<b>P1264</b>
	—			

# S-Max pico

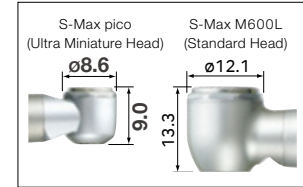
Special



## The Innovative Air Turbine with Ultra Mini Head and Super Slim Body Shape

The NSK S-Max pico series has been developed for the operation of Minimal Intervention (M.I). The ultra mini head and super slim handpiece design is the result of fine NSK precision engineering allowing a wider view of the operational field, and greater flexibility for dexterity.

### Comparison of head sizes



### Improve The Accuracy of Operation with The Microscope



The ultra mini head delivers expanded operational visibility and greater flexibility. Patient comfort is increased.

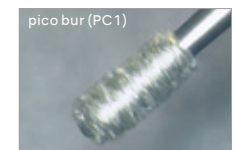
In combination with mirror technique



### Size Specifications of The S-Max pico Series

#### Dedicated Burs for S-Max pico Series

NSK has developed special ultra short shank burs to operate specifically with the pico handpiece. These high quality precision burs are concentric and durable. Use of NSK ultra short shank burs maximises the mini advantage of the pico handpiece.



Original bur of high precision  
(Rotational speed : 400,000 min<sup>-1</sup>)

# S-Max pico Special

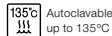
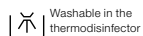


- Stainless Steel Body
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Single Spray

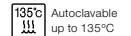
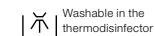


Power : 9 W  
 Speed : 380,000-450,000 min<sup>-1</sup>  
 Head Size : ø8.6 x H 9.0 mm  
 • For short shank burs / ultra short shank burs

	Optic	MODEL	ORDER CODE
<b>NSK Couplings</b>	●	<b>S-Max pico</b>	<b>P1140</b>
<b>KaVo® Coupling</b>	●	<b>S-Max pico KL</b>	<b>P1142</b>
<b>Sirona® Coupling</b>	●	<b>S-Max pico SL</b>	<b>P1143</b>
<b>W&amp;H® Coupling</b>	●	<b>S-Max pico WLED*</b>	<b>P1145</b>



\*Compatible Turbines with Integral LED



pico bur



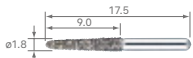
MODEL	ORDER CODE
-------	------------

**PC1** **Y1001817**  
 • Pack of 3



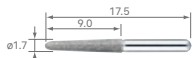
MODEL	ORDER CODE
-------	------------

**PC2** **Y1001818**  
 • Pack of 3



MODEL	ORDER CODE
-------	------------

**PC3** **Y1001819**  
 • Pack of 3



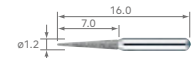
MODEL	ORDER CODE
-------	------------

**PC3ff** **Y1002019**  
 • Extra fine bur • Pack of 3



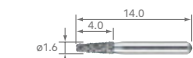
MODEL	ORDER CODE
-------	------------

**PC4** **Y1001820**  
 • Pack of 3



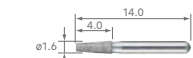
MODEL	ORDER CODE
-------	------------

**PC4ff** **Y1002020**  
 • Extra fine bur • Pack of 3



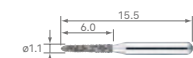
MODEL	ORDER CODE
-------	------------

**PC5** **Y1001821**  
 • Pack of 3



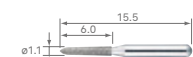
MODEL	ORDER CODE
-------	------------

**PC5ff** **Y1002021**  
 • Extra fine bur • Pack of 3



MODEL	ORDER CODE
-------	------------

**PC6** **Y1001822**  
 • Pack of 3



MODEL	ORDER CODE
-------	------------

**PC6ff** **Y1002022**  
 • Extra fine bur • Pack of 3

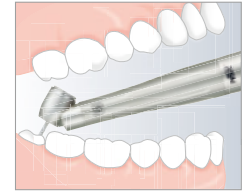


# Ti-Max X450

Special

## Unique 45-degree Angled Head Provides Incredible Accessibility

The slim-form Ti-Max X450 series possesses a unique 45-degree angled head specially designed to access hard-to-reach areas for sectioning and extraction of third molars and other impacted teeth. The X450's robust 21 watts of cutting power and effective cooling system - featuring triple water jets - ensure safe and effective treatment during a variety of surgical procedures.

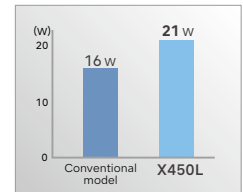


### Superior Accessibility

The 45-degree angled head offers excellent accessibility and visibility during root separation procedures and the removal of hard tissue covering impacted third molars.

## A Potent 21W of Cutting Power

NSK's original twin-nozzle head fully transmits the power of the air turbine to the X450's rotor, generating the high torque needed for powerful, consistent cutting.



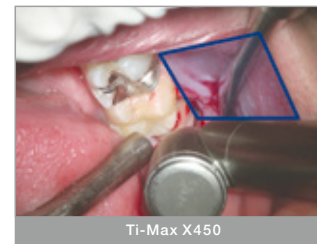
## Triple Water Jets & Cellular Glass Optics

NSK's Triple Water Jet system efficiently bathes the bur at all operating speeds, providing maximum cooling.



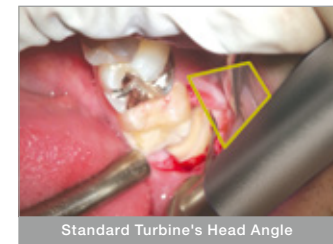
## The Ti-Max X450 Permits Optimal Access to Molars and a Diverse Range of Operative Procedures.

Mandibular Right Third Molar Extraction



Ti-Max X450

The labial and cheek mucous membranes do not interfere with treatment, and the bur can be maintained at a safe and optimal angle due to no contact on the turbine body. The X450's slim form factor also provides maximum visibility.



Standard Turbine's Head Angle

Extending the labial or cheek mucous membranes is hard, which makes feel delicate tactile sense while cutting difficult. Maintaining the bur at an optimal angle and direction is also problematic.

# Ti-Max X450 Special



- Titanium Body with Scratch Resistant DURACOAT
- 45° Angle Head
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Triple Water Jet



Power : 21 W  
 : 18 W (except X450L)  
 Speed : 380,000-450,000 min<sup>-1</sup>  
 Head Size : ø11.2 x H 13.5 mm  
 • For FG extra-long burs (25 mm) only

NSK Couplings	Optic	MODEL	ORDER CODE
●		<b>X450L</b>	<b>P1078</b>
KaVo® Coupling	Optic	MODEL	ORDER CODE
●		<b>X450KL</b>	<b>P1079</b>
Sirona® Coupling	Optic	MODEL	ORDER CODE
●		<b>X450SL</b>	<b>P1080</b>
W&H® Coupling	Optic	MODEL	ORDER CODE
●		<b>X450WLED*</b>	<b>P1082</b>
Bien-Air® Coupling	Optic	MODEL	ORDER CODE
●		<b>X450BLED*</b>	<b>P1081</b>

# Pana-Max PLUS Basic



- Stainless Steel Body
- Ceramic Bearings
- Push Button Chuck
- Quattro Spray
- Clean Head System
- Anti-Retraction Valve
- Air Pressure Regulating Valve



**Miniature Head**  
 Speed : 380,000-450,000 min<sup>-1</sup>  
 Head Size : ø10.6 x H 12.4 mm

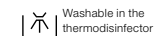
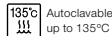
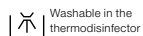


**Standard Head**  
 Speed : 340,000-410,000 min<sup>-1</sup>  
 Head Size : ø12.1 x H 13.3 mm

Midwest 4 hole  
 (Direct-connect / Screw-on Type)



Head	MODEL	ORDER CODE
<b>Miniature</b>	<b>PAP-MU M4</b>	<b>P1021</b>
<b>Standard</b>	<b>PAP-SU M4</b>	<b>P1022</b>





# Pana-Max2

Basic

### Unsurpassed Durability

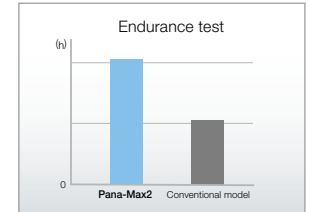
Built to Excel in Clinical Situations.  
Featuring a Scratch-resistant  
Stainless Steel Body and Sturdier Turbine Head.

Thanks to its uniquely designed shock-resistant head design, Pana-Max2's turbine rotor won't get damaged even if dropped from two meters onto a concrete floor.



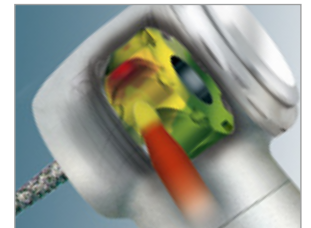
### Exceptional Longevity.

Newly designed bearing structure with greater wear resistants and extended lifespan.



### 30% Power Boost

Pana-Max2 is dramatically more powerful than its predecessors thanks to the combination of NSK's air turbine simulation technologies. Rated at a maximum of 20 watts, this new model boasts the highest power rating in its class. That concentrated power, along with the bur's high rotational accuracy, creates a synergistic effect that ensures fast, precise treatments.





# Pana-Max2 Basic



- Stainless Steel Body
- Ceramic Bearings
- Clean Head System
- NSK Ultra Push Chuck
- Single Spray
- DIY Cartridge Change
- Anti-Retraction Valve
- Air Pressure Regulating Valve



Speed : 350,000-450,000 min<sup>-1</sup>  
 Head Size : ø11.2 x H 13.4 mm

Midwest 4 hole  
 (Direct-connect / Screw-on Type)



MODEL	ORDER CODE
<b>Pana-Max2 M4</b>	<b>P1154</b>

Borden 2 hole  
 (Direct-connect / Screw-on Type)



MODEL	ORDER CODE
<b>Pana-Max2 B2</b>	<b>P1155</b>



CONTRA-ANGLES



Grade	PREMIUM	SPECIAL	SPECIAL	ADVANCED	BASIC
Body	Titanium	Titanium	Titanium	Stainless	Stainless
DURAGRIP	●	●	●		
Anti Heat System	●	●	●		
Ceramic Bearings	●	●	●	●	
Cellular Glass Optics	●	●	●	●	
Clean Head System	●	●	●	●	●
Push Button Chuck	●	●	●	●	●
Water Spray	Quattro	Quattro	Quattro	Quattro	
Two-Way Spray Function	●	●			
Microfilter	●	●	●		
Ergo Grip	●	●	●	●	●

# Ti-Max Z

Premium





## ADVANCED TECHNOLOGY

### Amazingly Silent Operation

Amazing silence and minimal vibration: The marriage of micro-precision parts and gears has lowered noise and vibration even more to provide comfort for clinicians and patients alike.



### Anti Heat System (Z95L, Z85L)

Our proprietary Anti Heat System dramatically reduces the heat typically experienced with speed increasing contra-angles. This feature improves patient safety without compromising manoeuvrability.

## DURABLE

### A Stunningly Durable and Reliable Handpiece

NSK has combined advanced design and world-class processing technology to create incredibly durable instruments. NSK's advanced technologies have boosted sterilization resistance, delivering even better reliability for dental practices.

## OUTSTANDING OPERABILITY

### The Smallest Head

The head is angled 2° more than on the X95L for much better visibility and accessibility even for molars and other areas that are difficult to treat.

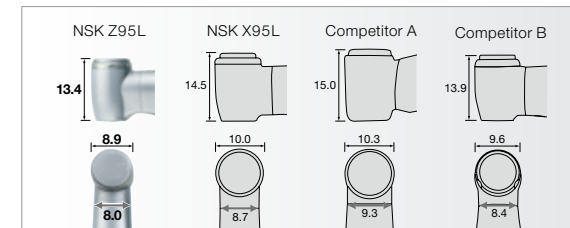
### The Slimmest Neck

The slimmer neck provides much better visibility compared to existing products, delivering wide visibility of all treatment areas.

## COMFORT

### The Ultimate in Handpieces The Result of Invaluable Clinical Feedback

The handpiece is more user-friendly, cleaner, and safer. By reviewing everything from the shape of the instrument, to hygiene aspects and safety features using the most advanced technologies, we have made the contra-angle more ergonomic and comfortable for the clinician and safer for the patient, reducing stress for clinicians and patients alike. Only NSK's Ti-Max Z premium range offers these unique features.



TECHNOLOGY & FUNCTION

**Anti Heat System**

Our proprietary Anti Heat System dramatically reduces heat generation to prevent burning.  
(With Z95L/Z85L)

**DURAGRIP**

Our proprietary scratch- and abrasion-resistant surface treatment increases durability and ensures a reliable grip.

**Microfilter**

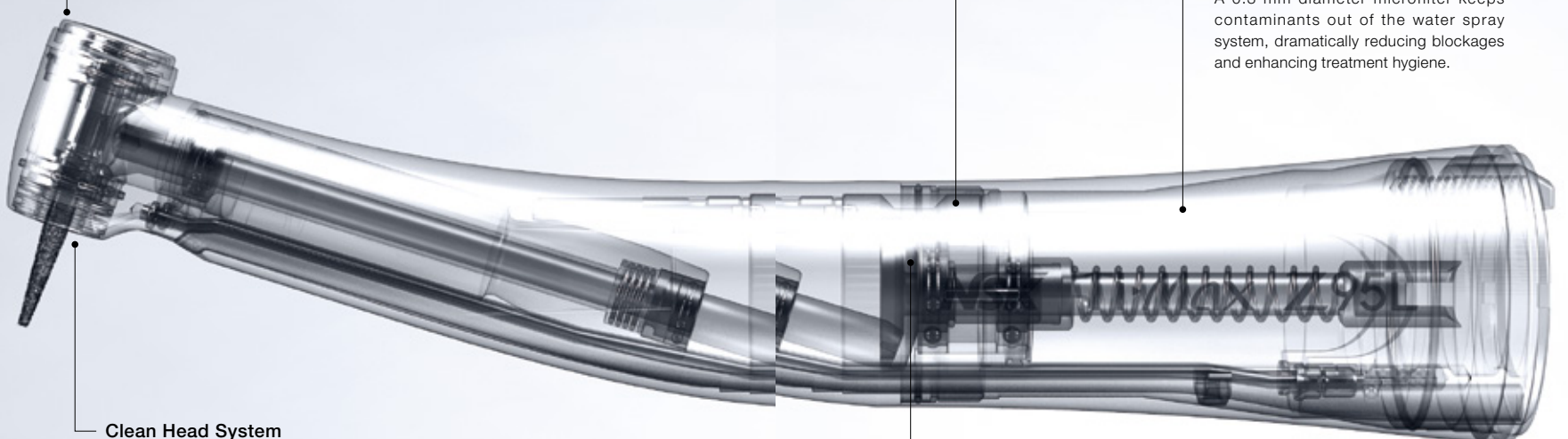
A 0.3 mm diameter microfilter keeps contaminants out of the water spray system, dramatically reducing blockages and enhancing treatment hygiene.

**Clean Head System**

The NSK Clean Head System automatically keeps oral fluids and other contaminants out of the instrument head, prolonging the life of the bearing and ensuring more hygienic treatment.

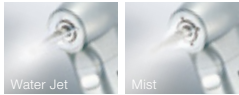
**Amazing Silence and Minimal Vibration**

The marriage of micro-precision parts and gears has lowered noise and vibration even more.



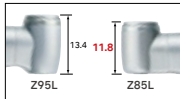
# Ti-Max Z Premium

- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics
- Push Button Chuck
- Clean Head System (Exclude Z24L)
- Microfilter



- Quattro Spray (with two way spray function)
- Max Speed: 200,000 min<sup>-1</sup>
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System

	Optic	MODEL	ORDER CODE
<b>1:5 Increasing</b>	●	<b>Z95L</b>	<b>C1034</b>



Head size comparison  
Z85L offering extraordinary  
visibility and accessibility.



- Single Spray
- Miniature Head
- Max Speed: 200,000 min<sup>-1</sup>
- For FG burs (ø1.6) \* Short Shank burs only
- Ceramic Bearings
- Anti Heat System

	Optic	MODEL	ORDER CODE
<b>1:5 Increasing</b>	●	<b>Z85L</b>	<b>C1062</b>



- Single Spray
- Max Speed : 40,000 min<sup>-1</sup>
- For CA burs (ø2.35)

	Optic	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	●	<b>Z25L</b>	<b>C1038</b>



- Single Spray
- Miniature Head
- Max Speed: 40,000 min<sup>-1</sup>
- For CA burs (ø2.35)

	Optic	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	●	<b>Z24L</b>	<b>C1126</b>



- Single Spray
- Max Speed: 10,000 min<sup>-1</sup>
- For CA burs (ø2.35)

	Optic	MODEL	ORDER CODE
<b>4:1 Reduction</b>	●	<b>Z15L</b>	<b>C1039</b>



- Single Spray
- Max Speed: 2,500 min<sup>-1</sup>
- For CA burs (ø2.35)

	Optic	MODEL	ORDER CODE
<b>16:1 Reduction</b>	●	<b>Z10L</b>	<b>C1040</b>

# Ti-Max Z45L

Special



## 45-degree Angled Head Supplies Superior Accessibility and Maximum Visibility

The world's first 45-degree contra-angle, Ti-Max Z45L provides effortless access to hard-to-reach molars that a standard contra-angle simply can't match. The slim-form Ti-Max Z45L also offers excellent visibility and high operability, creating more space between adjacent teeth and the handpiece body. Ti-Max Z45L's powerful and consistent cutting shortens treatment time for time-consuming sectioning and third-molar extractions compared to standard contra-angles, dramatically reducing stress for both clinicians and patients.



### Superior Accessibility

The 45-degree angled head allows easy access to the molar region, minimizing interference from the front teeth and adjacent teeth.



Sectioning a Mandibular Left Impacted Third Molar



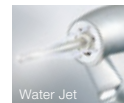
Caries Removal from a Maxillary Left Lateral Incisor's Cervical Area



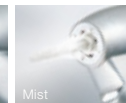
Caries Removal from a Maxillary Left Second Premolar on Palatal Side



Clarifying the Root Canal Orifice of a Mandibular Right Second Premolar



Water Jet



Mist

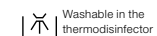
### Two-Way Spray Function

The world's first two-way spray function allows you to instantly choose between a mist or jet spray depending on the conditions and procedure. The water jet spray prevents subcutaneous emphysema in surgical procedures, and the mist spray effectively cools the bur while cutting.



- Titanium Body with Scratch Resistant DURAGRIP
- 45° Angle Head • Cellular Glass Optics
- Ceramic Bearings • Clean Head System
- Push Button Chuck
- Quattro Spray (with two way spray function)
- Microfilter • Anti Heat System
- For FG burs (ø1.6) • Max Speed : 168,000 min<sup>-1</sup>

	Optic	MODEL	ORDER CODE
<b>1:4.2 Increasing</b>	●	<b>Z45L</b>	<b>C1064</b>



Washable in the thermodisinfectant



Autoclavable up to 135°C

# Ti-Max nano

Special

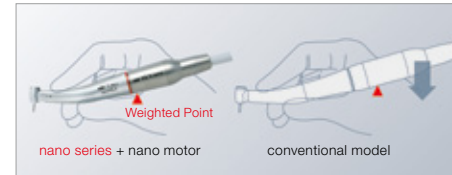


## Shorter, Perfectly Balanced

Shorter, lighter and perfectly balanced, "nano series" instruments are designed to be natural extensions of the clinician's hand, ensuring smoother procedures. Even during implant operations that require delicate and precise movements, a "nano series" faithfully mirrors the user's intent. NSK continues to challenge the limits of manufacturing and pioneer next-generation contra-angles.

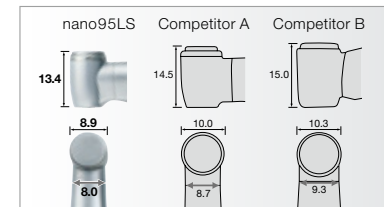
## Perfect Balance

NSK's nano series preserves the high performance NSK contra-angles are known for, while these new instruments are approximately 10 percent smaller and lighter than conventional models. Yet, in combination with NLX nano micromotor nano series gives you the ease of manoeuvrability and accuracy you are used to from your air-turbine. Reducing size and weight shifts the center of gravity to an optimal position, dramatically reducing fatigue during procedures and improving your fingertip dexterity.



## Smaller and Slimmer

nano95LS has smaller head and slimmer neck dimensions.



## Outstanding Durability

The nano95LS gear shapes have been designed using High Spec 3D simulation software to achieve optimal results in terms of durability and noise level minimization.



# Ti-Max nano Special

- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics
- Clean Head System
- Push Button Chuck (Exclude nano65LS)
- Microfilter (Exclude nano65LS)



Optic	MODEL	ORDER CODE
<b>1:5 Increasing</b>	● nano95LS	<b>C1099</b>

- Quattro Spray
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System
- Max Speed: 200,000 min<sup>-1</sup>



Optic	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	● nano25LS	<b>C1100</b>

- Single Spray
- For CA burs (ø2.35)
- Max Speed: 40,000 min<sup>-1</sup>



Optic	MODEL	ORDER CODE
<b>4:1 Reduction</b>	● nano15LS	<b>C1101</b>

- Single Spray
- For CA burs (ø2.35)
- Max Speed: 10,000 min<sup>-1</sup>

## Straight Handpiece



Optic	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	● nano65LS	<b>H1048</b>

- Single Spray
- For HP / CA burs (ø2.35)\*
- Max Speed: 40,000 min<sup>-1</sup>
- \*Need to insert the supplied bur stopper

# Ti-Max X

Advanced



- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics

## Prophylaxis Handpiece



Special Dust Proof



- For Screw-in Cups and Brushes
- 360° Rotation
- w/o Spray
- Max Speed: 2,500 min<sup>-1</sup>

	Optic	MODEL	ORDER CODE
<b>16:1 Reduction</b>	●	<b>X57L</b>	<b>C609</b>



With Tip Lock Mechanism



- Single Spray
  - For Profin Tip / EVA Tip / Orthodontics File (Shank ø2.36-2.40 mm)\*
  - Vertical Reciprocating (Stroke Length 1.4 mm)
  - Lamineer Tips not included
  - Max Speed: 10,000 min<sup>-1</sup>
- \*Metalic shank cannot be used.

	Optic	MODEL	ORDER CODE
<b>4:1 Reduction</b>	●	<b>X55L</b>	<b>C608</b>
	—	<b>X55</b>	<b>C618</b>

## Straight Handpiece



- Clean Head System
  - Single Spray
  - For HP burs (ø2.35)
  - For CA burs (ø2.35)\*
  - Max Speed: 40,000 min<sup>-1</sup>
- \*Need to insert the supplied bur stopper

	Optic	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	●	<b>X65L</b>	<b>H273</b>
	—	<b>X65</b>	<b>H274</b>

# S-Max M

Advanced



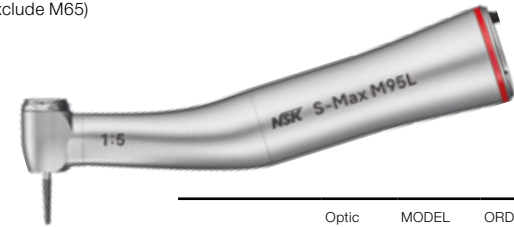
## TOUGHNESS

The S-Max M series contra-angles have dramatically improved durability, and feature an updated internal body design and chuck mechanism.

They are NSK's next-generation standard - a marriage of ergonomic sophistication and smooth cutting feel.

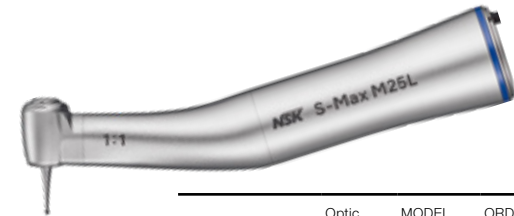
Experience them for yourself.

- Stainless Steel Body • Cellular Glass Optics • Clean Head System
- Push Button Chuck (Exclude M65)



	Optic	MODEL	ORDER CODE
<b>1:5 Increasing</b>	●	<b>M95L</b>	<b>C1023</b>
	—	<b>M95</b>	<b>C1026</b>

- Quattro Spray • For FG burs (ø1.6)
- Ceramic Bearings • Max Speed: 200,000 min<sup>-1</sup>



	Optic	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	●	<b>M25L</b>	<b>C1024</b>
	—	<b>M25</b>	<b>C1027</b>

- Single Spray • For CA burs (ø2.35)
- Max Speed: 40,000 min<sup>-1</sup>



	Optic	MODEL	ORDER CODE
<b>4:1 Reduction</b>	●	<b>M15L</b>	<b>C1025</b>
	—	<b>M15</b>	<b>C1028</b>

- Single Spray • For CA burs (ø2.35)
- Max Speed: 10,000 min<sup>-1</sup>

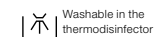
## Straight Handpiece



	Optic	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	—	<b>M65</b>	<b>H1008</b>

- Single Spray • For HP burs (ø2.35)
- For CA burs (ø2.35)\* • Max Speed: 40,000 min<sup>-1</sup>

\*Need to insert the supplied bur stopper



Washable in the thermodisinfectant



Autoclavable up to 135°C

# FX series

Basic



## Integrated Handpieces : Ergonomic : Functional : Reliable

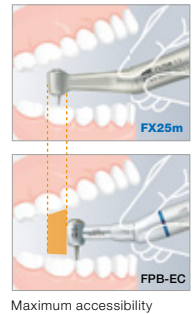
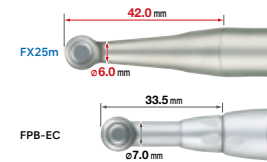
After 35 years of outstanding global success, the classic NSK EX handpiece series has now evolved into a new stage. - NSK FX handpiece series - a modernization of the EX series. The traditional NSK simple design technology, functional reliability, durability, and cost effective pricing still remains, but FX has been updated to an integrated design in response to modern demands.

## Durable Stainless Steel Body

Stainless is lighter and more durable than brass. Handpiece weight is considerably reduced and ergonomic hand comfort is greatly enhanced with a realistic tactile sense.

## Improved Visibility : Ideal Balance

The extra slim head and body design greatly improves direct and indirect visibility to the oral operational field. This includes increased visibility of even difficult access areas in the oral cavity. The slim, lighter weight design delivers an entirely comfortable ergonomic balance, especially when used in conjunction with the new NSK FX Mini Air motor.



## Easy Cartridge Replacement

In some instances cartridges are easily replaced in surgery with the accessory tools supplied with the new product. Service costs and downtime are reduced (FX25m).



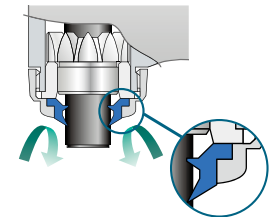
## Clean Head System

The patented NSK Clean Head System is a special mechanism designed to automatically prevent the entry of oral fluids and other contaminants into the handpiece head prolonging the life of the bearings. (FX25m / FX15m / FX65m)



## FX57m Paste Defense System

The prophylaxis handpiece head incorporates the unique NSK Paste Defense System which prevents dust and polishing paste debris from entering the handpiece. In addition, the NSK DLC coating on the rotor prevents possible breakage caused by surface abrasions from the polishing paste. These are some features that illustrate extended FX handpiece durability.



# FX series Basic

## General Applications Handpiece



- For CA burs (ø2.35) • Push Button Chuck
- Stainless Steel Body • Clean Head System
- Ball Bearing • External Water Spray
- Max Speed: 40,000 min<sup>-1</sup>

	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	<b>FX25m</b>	<b>C1052001</b>



- For CA burs (ø2.35) • Latch type
- External Water Spray
- Max Speed: 30,000 min<sup>-1</sup>

	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	<b>FX22</b>	<b>C1129</b>



- For CA burs (ø2.35) • Push Button Chuck
- Stainless Steel Body • Clean Head System
- Ball Bearing • External Water Spray
- Max Speed: 10,000 min<sup>-1</sup>

	MODEL	ORDER CODE
<b>4:1 Reduction</b>	<b>FX15m</b>	<b>C1053001</b>

## Endodontic Handpiece



- Miniature Head • For engine files
- Stainless Steel Body • 360° Rotation
- Push Button Chuck • Max Speed: 1,250 min<sup>-1</sup>

	MODEL	ORDER CODE
<b>16:1 Reduction</b>	<b>FX75m</b>	<b>C1055001</b>

## Prophylaxis Handpiece



- For screw-in cups and brushes
- Stainless Steel Body • 360° Rotation
- w/o Spray • Paste Defense System
- Max Speed: 5,000 min<sup>-1</sup>

	MODEL	ORDER CODE
<b>4:1 Reduction</b>	<b>FX57m</b>	<b>C1054001</b>

## Straight Handpiece




- For HP burs (ø2.35) • Stainless Steel Body
- Clean Head System • External Water Spray
- Max Speed: 40,000 min<sup>-1</sup>

	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	<b>FX65m</b>	<b>H1014001</b>




# EX series Basic

## Heads for General Application




MODEL	ORDER CODE
<b>FPB-Y</b>	<b>C875</b>

- For CA burs (ø2.35) • Clean Head System
- Push Button Chuck • Ball Bearing
- External Water Spray
- Max Speed: 40,000 min<sup>-1</sup>



MODEL	ORDER CODE
<b>BB-Y</b>	<b>C037</b>


- For CA burs (ø2.35) • Latch type
- Ball Bearing • External Water Spray
- Max Speed: 40,000 min<sup>-1</sup>



MODEL	ORDER CODE
<b>NAC-Y</b>	<b>C032002</b>


- For CA burs (ø2.35) • Latch type
- External Water Spray
- Max Speed: 30,000 min<sup>-1</sup>

## Heads for Prophylaxis Application




MODEL	ORDER CODE
<b>AR-Y (S)</b>	<b>C187</b>

- For screw-in cups and brushes
- Max Speed: 5,000 min<sup>-1</sup>



MODEL	ORDER CODE
<b>EVA-Y</b>	<b>C235</b>


- For Eva tips
- Vertical Reciprocating (Stroke Length 1.4 mm)
- Max Speed: 10,000 min<sup>-1</sup>



MODEL	ORDER CODE
<b>AR-Y (K)</b>	<b>C188</b>


- For snap-on cups
- Max Speed: 5,000 min<sup>-1</sup>

## Heads for Endodontic Application




MODEL	ORDER CODE
<b>MP-Y</b>	<b>C547</b>

- Miniature Head • Push Button Chuck
- Max Speed: 20,000 min<sup>-1</sup>




MODEL	ORDER CODE
<b>TEQ-Y</b>	<b>C849</b>

- 80° Twist • For engine files (ø2.35)
- Push Button Chuck
- Max Speed: 4,000 min<sup>-1</sup>



MODEL	ORDER CODE
<b>MPA-Y</b>	<b>C548</b>


- Connection for Apex locator (For long shank)
- Miniature Head • Push Button Chuck
- Max Speed: 20,000 min<sup>-1</sup>



MODEL	ORDER CODE
<b>TEP-Y</b>	<b>C837</b>


- 60° Twist • For hand files
- Push Button Chuck • External Water Spray
- Max Speed: 4,000 min<sup>-1</sup>

## Shanks



MODEL	ORDER CODE
<b>EC-30M</b>	<b>C100007</b>

- 1:1 Direct Drive



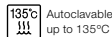
MODEL	ORDER CODE
<b>ER4M</b>	<b>C634002</b>

- 4:1 Reduction

• Shanks and heads are sold separately. You can combine Shanks and heads according to your wishes and the indication.



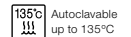
FPB-Y, AR-Y (S), AR-Y (K) and EVA-Y can be washed in the thermosensitizer.



Autoclavable up to 135°C



MP-Y, MPA-Y, TEP-Y, EC-30M and ER4M can be washed in the thermosensitizer.



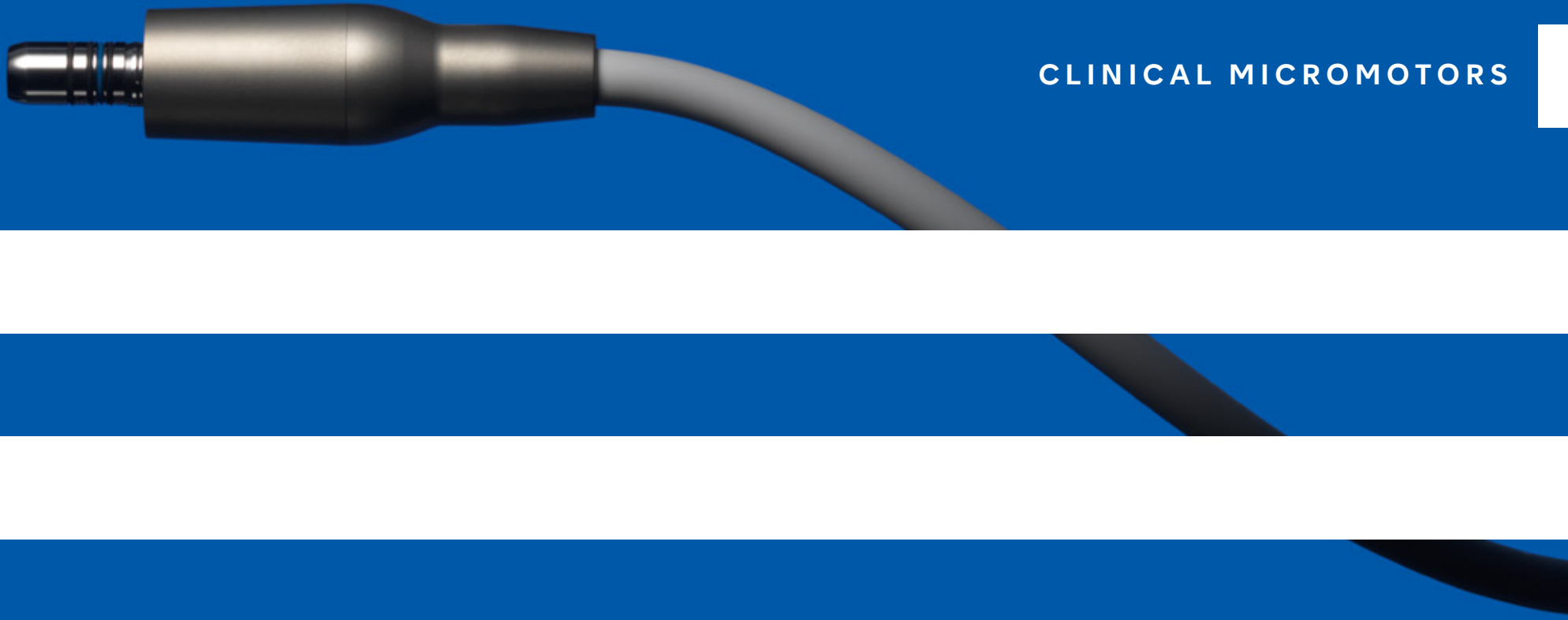
Autoclavable up to 135°C

# isoE-LUX Light Probe



Optic	MODEL	ORDER CODE
●	<b>isoE-LUX</b>	<b>Z1265</b>

- E-Type Optic Motor Connection
- Glass Fiber Optics
- Stainless Steel Body



CLINICAL MICROMOTORS



# NLZ



## The Compact Makes a Big Change

Now in a more compact size, with higher safety and flexibility for different installation styles, NSK's all new "NLZ" can help any user of air driven handpieces convert to electric and enjoy the full benefits of this smart system. The unique technology of "NLZ" employs an all-new micromotor system and expands the possibilities of dental treatment. This original concept from the leading handpiece manufacturer provides cutting-edge features applicable to a wide-range of endodontic treatments with enhanced comfort and safety. A big change in treatment environment is brought with only a minor addition to the current equipment in your office.

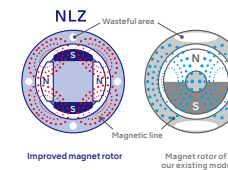
## Flexible Installation Style Superior Visibility & Operability



## Superior\* Performance of Motor with Compact Size

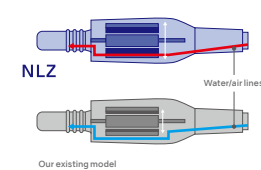
### Powerful

The conventional magnet rotor has been replaced with an improved magnet rotor. More powerful rotation is achieved in the same amount of space by reducing weak magnetic areas.



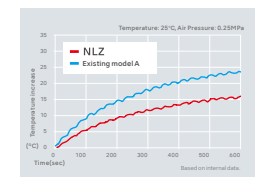
### Efficient

In this unique technology, the water and air lines that used to bypass the motor have now been integrated with the motor. This new, more efficient configuration makes maximum use of the limited space and is lighter and more powerful than before.



### Less heat

NLZ employs a simple non-layered coil instead of a standard layered coil. The coils are as compact as possible, shortening the pathway for heat generating current. As a result it generates less heat without reducing the output power.



\*Compared to our existing model.

# NLZ / NLZ E

## Electric Micromotor

- Internal Water Spray



### NLZ

Optic	MODEL	ORDER CODE
●	<b>NLZ S230</b>	<b>Y1500360</b>

#### Contents

- NLZ U (Control Unit & Main Unit) • NE180 (AC adaptor)
- NLZ (Motor) • NLZ CD (Motor Cord 1.8 m)
- NLZ U BRACKET

#### Specifications

- [Unit]
- Dimension Control Unit : W 76 × D 87.1 × H 63.4 mm
  - Dimension Main Unit : W 146 × D 75 × H 48 mm
  - Power Supply : 230 V 50/60 Hz
  - Programs : General Application Mode / 6 programs  
Rotary Endo Mode / 6 programs

### NLZ E with Endodontic Function

Optic	MODEL	ORDER CODE
●	<b>NLZ E S230</b>	<b>Y1500361</b>

#### Contents

- NLZ E U (Control Unit & Main Unit) • NE180 (AC adaptor)
- NLZ (Motor) • NLZ CD (Motor Cord 1.8 m)
- NLZ U BRACKET

- [Motor]
- Motor Type : Brushless Micromotor
  - Max Torque : 4.2 Ncm
  - Endodontics Torque : 0.3 - 6.0 Ncm\*
  - Motor Speed : 100 - 40,000 min<sup>-1</sup>
  - Dimension : ø22 × H 68.8 mm
  - Weight : 59 g (motor only)
  - Light : White LED
- \*Depending on gear ratio

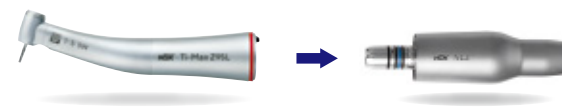
	NLZ	NLZ E
General Application Function	○	○
Rotary Endo Mode Function	—	○
Recipro Endo Mode Function	—	*○

\*The "Reciprocating Endo Mode" can be operated only with the NLZ Endo Contra-angle handpiece and WAVEONE® file.

## SAFETY FUNCTIONS

### Contra-Check Function (Proprietary to NSK)

"Contra-Check Function" helps detect abnormalities caused by deterioration of the electric attachment and insufficient maintenance before use. Our advanced function is the result of NSK's relentless pursuit of safe treatment. \*NSK's Ti-Max Z, X and S-Max M electric attachments are compatible with "Contra-Check Function".



### For Safer and More Efficient Endodontic Treatment

In addition to the Auto Reverse and Auto Stop functions, a wide range of new features are incorporated for safer and more efficient endodontic treatment.

### Reciprocating specialist electric attachment

Newly developed reciprocating specialist electric attachment NLZ Endo. Building on our existing handpiece development technology, we have succeeded in reducing the movement loss during reciprocating operations. As a result, it is possible to correctly transmit reciprocating actions for a smooth endodontic treatment.



## NLZ Endo



- Max Speed : 1,000 min<sup>-1</sup>  
(Input Max Rotation Speed of the Motor : 6,000 min<sup>-1</sup>)
- Engine Files (ø2.35) \*For Rotary Endo mode
- Wave-One Reciprocating Files (ø2.35)  
\*For Recipro Endo Mode
- Push Button Chuck

	Optic	MODEL	ORDER CODE
<b>6:1 Reduction</b>	—	<b>NLZ Endo</b>	<b>C1130</b>

# NLX nano

## Electric Micromotor Integrated System

- Speed : 1,000 – 40,000 min<sup>-1</sup>, Torque : 3.4 Ncm



### Integrated System Individual Components

- NLX nano micromotor only (Cord not included)
- Solid Titanium Body
- Autoclavable up to 135°C
- Internal Water Spray • Brushless



Optic	MODEL	ORDER CODE
●	<b>NLX nano</b>	<b>E1044051</b>

- NLX nano micromotor cord for integrated system (2.2 m)



MODEL	ORDER CODE
<b>nano CDB</b>	<b>E1044066</b>

- Power module with lamp and air function for integrated system
- Dimensions with case : W 115 x D 68.5 x H 40 mm



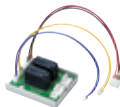
MODEL	ORDER CODE
<b>NLX BF</b>	<b>Y1002122</b>

- 24 Vac - 32 Vdc converter for integrated system
- Dimensions : W 60.2 x D 81.4 x H 45.2 mm



MODEL	ORDER CODE
<b>NLS-A ADP</b>	<b>U1020050</b>

- Selector module for integrated system
- Dimensions : W 68.5 x D 56.5 x H 38.5 mm



MODEL	ORDER CODE
<b>NLS-A SEL</b>	<b>Y1002125</b>

- Multi-Control Panel for built-in system
- Dimensions : W 95 x D 138 x H 31 mm



MODEL	ORDER CODE
<b>Multi Pad</b>	<b>Y1001845</b>
<b>Multi Pad AX (Auto Select)</b>	<b>Y1001846</b>



# NLX plus

## Electric Micromotor Integrated System

- Speed : 100 – 40,000 min<sup>-1</sup>, Torque : 4.0 Ncm, with Endo Function
- Internal Water Spray • BRUSHLESS

### Features

- Torque control & Auto reverse feature
- 3 working modes: Auto-reverse on, Auto-stop or Auto-reverse off
- Autoclavable titanium body
- LED illumination
- Installable built-in type conforms to most dental equipments by employing original NLX BF power module



### Integrated System Individual Components

- NLX plus micromotor only (Cord not included)
- Solid Titanium Body
- Autoclavable up to 135°C
- Internal Water Spray • Brushless



Optic	MODEL	ORDER CODE
●	<b>NLX plus</b>	<b>E1040051</b>

- NLX plus micromotor cord for integrated system (2.2 m)



MODEL	ORDER CODE
<b>plus CD</b>	<b>E1040062</b>

- Power module with lamp and air function for integrated system
- Dimensions with case : W 115 x D 68.5 x H 40 mm



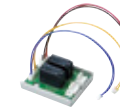
MODEL	ORDER CODE
<b>NLX BF</b>	<b>Y1002122</b>

- 24 Vac - 32 Vdc converter for integrated system
- Dimensions : W 60.2 x D 81.4 x H 45.2 mm



MODEL	ORDER CODE
<b>NLS-A ADP</b>	<b>U1020050</b>

- Selector module for integrated system
- Dimensions : W 68.5 x D 56.5 x H 38.5 mm



MODEL	ORDER CODE
<b>NLS-A SEL</b>	<b>Y1002125</b>

- Multi-Control Panel for built-in system
- Dimensions : W 95 x D 138 x H 31 mm



MODEL	ORDER CODE
<b>Multi Pad</b>	<b>Y1001845</b>
<b>Multi Pad AX (Auto Select)</b>	<b>Y1001846</b>



# Multi Pad

Multi-Control Panel for  
Built-in System

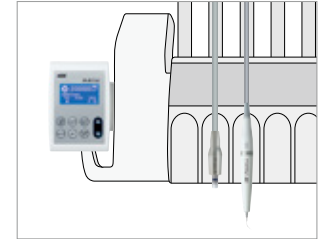


## Integrated into Existing Equipment with The Latest Leading Edge Technology

NSK's Multi Pad uniquely enables control of the NLX nano and NLX plus electric micromotors and the Varios 170 ultrasonic scaler in one system. When partnered with Multi Pad, the NLX nano reaches speeds of 1,000 - 40,000 min<sup>-1</sup> and delivers a powerful 3.4 Ncm torque, whilst the NLX plus additionally offers 3 user-friendly endo modes; auto-reverse on, auto-stop and auto-reverse off. NSK's Multi Pad can also be used to control all functions of the Varios 170 ultrasonic scaler.

### Features

- User friendly LCD display and interface to select settings.
- Visual identification on the display is possible even during operation of the handpiece.
- Up to 8 programs (motor only).
- Supports 5 languages (English, Español, Italiano, Français and Deutsch).



### The Integrated System

Electric Micromotor Integrated System (NLX BF) and Multi Function Ultrasonic Scaler (Varios 170) can be controlled with the system.



NLX nano

NLX plus

Varios2 Lux

Varios2



### Multi Pad Complete Sets

MODEL	ORDER CODE
<b>Multi Pad</b>	<b>Y1001845</b>
<b>Multi Pad AX (Auto Select)</b>	<b>Y1001846</b>

#### Contents

- Multi Pad Unit • Angle Plate (Mounting bracket) • Screws

#### Specifications

- Input voltage : DC + 12 V
- Input connect : 100 mA
- Max. output power : 1.2 W
- Dimensions : W 95 x D 138 x H 31 mm

# Air Motor



## Ti-Max X205L

Shorter and Lighter - Ergonomic Comfort & Improved Balance



**Advantages**

- Shorter and lighter unsurpassed balance Air motor
- 360° Swivel with LED illumination (32,000 LUX)

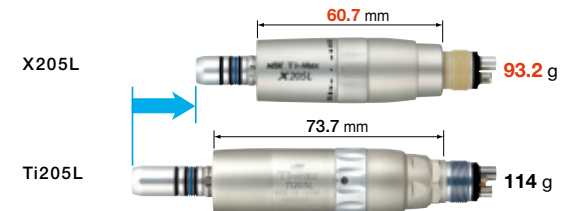


- 360° Swivel with LED illumination
- 32,000 LUX
- Titanium body with scratch-resistant DURACOAT
- Non-Retraction Valve
- Max Speed: 23,000 min<sup>-1</sup> ±10%
- Internal Water Spray



Optic	MODEL	ORDER CODE
●	X205L	M1013

Reduced Size and Weight for Unsurpassed Balance



# S-Max M205



- Stainless Steel Body
- Anti-Retraction Valve
- Midwest 4 hole
- Max Speed: 22,000 min<sup>-1</sup> ±10%
- Internal Water Spray



MODEL	ORDER CODE
<b>M205</b>	<b>M1007</b>

# FX205m



- Stainless Steel Body
- Midwest 4 hole
- Max Speed: 22,000 min<sup>-1</sup> ±10%
- External Water Spray



MODEL	ORDER CODE
<b>FX205m M4</b>	<b>M1005001</b>

- Stainless Steel Body
- Borden 2 hole
- Max Speed: 25,000 min<sup>-1</sup> ±10%
- External Water Spray



MODEL	ORDER CODE
<b>FX205m B2</b>	<b>M1006001</b>



ORAL HYGIENE

# Varios Combi Pro



## Two Maintenance Systems in One

Combining ultrasonic scaling and powder therapy for more effective and comfortable oral hygiene and biofilm control.



Innovative New Design Enables Clinicians to Safely and Efficiently Combine Two Applications

## Two Systems in One

NSK has combined ultrasonic treatment and powder therapy into a single professional treatment unit that streamlines procedures and saves time and space.

## Automatically Sets Powder Therapy Functions for Supragingival or Subgingival Applications

The clinician simply attaches the relevant powder chamber, and the unit automatically selects the functions for supragingival or subgingival applications. This prevents selection errors.

## Independent Unit and Chamber

The detachable chamber and handpiece make it possible to easily switch between supragingival and subgingival applications and make the unit extremely user and maintenance friendly.

## Keeps Both Powder Types Separate

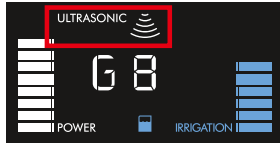
Separate chambers, handpieces, and handpiece hoses for supragingival and subgingival procedures eliminate the risk of powder mixing or powder entering the control unit.



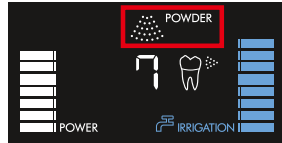
## Optimizing Manoeuvrability

### Automatic Switching from Ultrasonic to Powder Function

An automatic recognition sensor switches from ultrasonic to powder function when a handpiece is picked up from the holder.



<During Ultrasonic function>

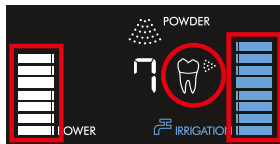


<During Powder function>

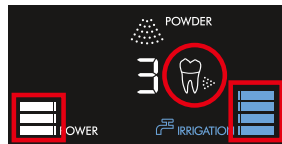
### Store Previous Settings

The system memory can store such treatment parameters as water volume, air pressure and ultrasonic power settings. Simply pick up the handpiece to switch settings.

\*For powder functions, settings change when replacing the chamber.



<When using Supragingival>



<When using Subgingival>

### Auto-cleaning function

Auto-cleaning automatically cleans the handpiece and hose after powder or ultrasonic applications. During the cleaning cycle, the display shows the time remaining to complete the process which takes approximately 45 seconds from start to finish.



### Multi-Foot Control

Just using the foot the user can switch ultrasonic or powder modes on or off and change power settings. Combined with a hanger, this offers complete hands-free operations.

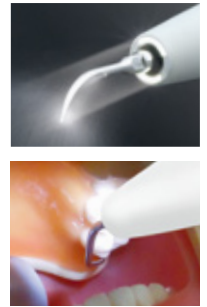


## ULTRASONIC

### A Slim Highly-ergonomic LED Handpiece



The ø9.5 mm slim tip of the Varios LUX handpiece makes it easy to operate throughout the entire oral cavity. The slim handpiece facilitates a smooth approach to difficult to access areas such as the molars. This provides freedom of movement in the oral cavity allowing the tip to be applied at the correct angle. The easy to grip ultra-light handpiece reduces strain on the hands and fingers. With a wide spectrum of close to natural light LED illumination, the view is always bright with high recognition capability.



### A wide choice of tips

NSK offers more than 80 tips to optimize treatment in various clinical procedures.

## iPiezo engine®

### The Unique Ultrasonic AI engine Responds Intelligently

"I'd like to be better at scaling", "I'd like an easier way to remove deposits"

We carefully considered the opinions of clinicians in the development of our unique next-generation AI ultrasonic engine which is at the heart of the NSK ultrasonic series. The actions of the operator are transmitted accurately to the tip, as if it were an extension of the hand. This allows treatment to match tooth surface conditions. The result is faster and gentler treatment for patients and at the same time eco friendly as it operates efficiently with low power consumption.

### Feedback Function

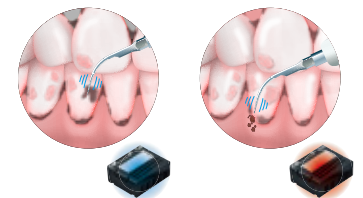
The NSK iPiezo engine supplies the appropriate power to the tip depending on the condition of the tooth surface. iPiezo engine provides a stable frequency output without dropping the power, even when removing hard calculus.

### Auto Tuning Function

The Auto Tuning Function provides stable frequency to the tip at the selected power range. It allows the operator to feel the power output which ensures the optimum result.

### Allows for Steady Scaling

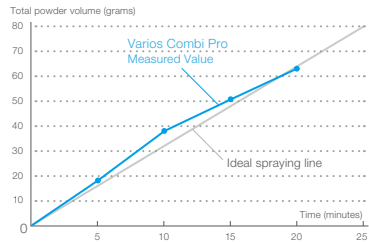
Conventional ultrasonic scalars lose power when moving from soft to hard tartar. The load on the end of the tip is automatically detected by the action of the iPiezo engine allowing for steady scaling without power-loss.





## POWDER PROPHY-SYSTEM

Powder Therapy to Clean Supragingival Areas Efficiently and Quickly



### Stable powder spraying

NSK's expertise in fluid analysis techniques, gained through developing turbines, optimize powder flows inside the chamber, streamlining sprays of powder, water and air to significantly shorten chair times.



### User-friendly handpiece and nozzle

The slim handpiece provides excellent accessibility and manoeuvrability



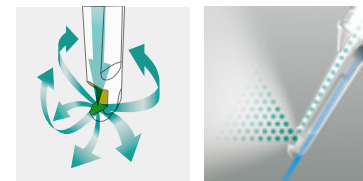
### Fast and effective therapy

Clinicians can clean teeth quickly with NSK's FLASH pearl powder. NSK FLASH pearl consists of fine spherical shaped calcium-based particles which remove stains and plaque.



## POWDER PERIO-SYSTEM

The Powder Spray Gently Cleans Subgingival Areas



### Gentle on soft tissue

Separating powder and water during application prevents periodontal damage. Powder flow is directed in all directions to remove subgingival plaque.



### Safe plastic nozzle

Because the nozzle tip is flexible, it can follow tooth contours and is easy to insert into pockets thereby minimizing patient discomfort. The material is semi-transparent to help with visibility. The nozzle tips are sterile and individually packaged so they are ready to use.

### Wide range of applications

Applications range from quick biofilm removal to cleaning around dental implants and periodontal pockets. With the nozzle tip removed, clinicians can remove plaque from subgingival pockets of up to 3 mm.

# Varios Combi Pro



## Varios Combi Pro Basic Set

MODEL	ORDER CODE
<b>Varios Combi Pro Basic Set</b>	<b>Y1004194</b>

### Contents

- PROPHY-Handpiece with 60° Nozzle
- PROPHY-Hose
- PROPHY-CHAMBER
- FLASH pearl (5 pcs. x 15 g sachets)
- Maintenance kit
- VA2LUX-Handpiece
- VA2LUX-Hose
- 3 Scaling tips
- Sterilization case
- Irrigation bottle (400 mL)
- Foot control

### Specifications

- Power Supply : AC 100-240 V 50/60 Hz
- Frequency : 28-32 kHz
- Dimensions : W 225 x D 290 x H 162 mm (including chamber)
- Unit weight : 2.6 kg (Except attachment)
- Bottle volume : 400 mL

## OPTION



MODEL	ORDER CODE
<b>Varios Combi Pro Perio Set</b>	<b>Y1003042</b>

### Contents

- PERIO-CHAMBER
- PERIO-Hose
- PERIO-Handpiece
- Perio Mate Nozzle tip
- Perio Mate Nozzle tip remover
- Perio Mate Powder



Install the control unit and accessories on the cart. iCart Duo for VCP with the Water Bottle Set.

MODEL	ORDER CODE
<b>iCart Duo</b>	<b>S9090V</b>

- Dimensions : H 101.65 cm
- Weight : 16.5 kg

## The Smart Compact Design Provides High-performance

### Large LED Display

The large LED display has a 10 stage numeric power display and bar graph to show the irrigation volume. Beyond this, intuitive layout of operating keys minimize user errors. Power adjustment and function selection can be performed easily and reliably.



### Large Solution Bottles

The two bottles can be placed and removed easily and can be used for any type of irrigation to complement treatment. Large 400 mL bottles deliver ample irrigation capacity and reduced chair time. Repeated tests of our components and material studies ensure high durability even when used extensively with antiseptic irrigation solutions.



### Improved Durability Against Antiseptic Solutions

The introduction of the resin based water pipe of the bottle, pump and handpiece, assures dramatically improved durability as it substantially reduces the corrosion and rust caused by the residuum of antiseptic solutions.



### Auto Cleaning Mode

The Auto Cleaning Mode flushes the tubing, handpiece and tips at the push of a button when required. The two channels can be flushed independently.



### Varios 970 Complete Sets

Optic	MODEL	ORDER CODE
●	<b>VA970 LUX</b>	<b>Y1001168</b>
—	<b>VA970</b>	<b>Y1001175</b>

### Contents

- Control unit • Handpiece • Handpiece cord • 3 Scaling tips (G4, G6, G8) • Foot control (FC-70) • 2 x Irrigation bottles
- 3 x Tip wrench with torque limiter • AC power cord • Sterilization case

### Specifications

- Power Supply: AC 230 V 50/60 Hz
- Frequency : 28-32 kHz
- Max. output : 11 W (G mode)
- Dimensions : W 160 x D 270 x H 190 mm (Including Bottle)
- Unit weight : 2.1 kg (Except attachment)
- Bottle volume : 400 mL (x 2 bottles)

# Varios 970

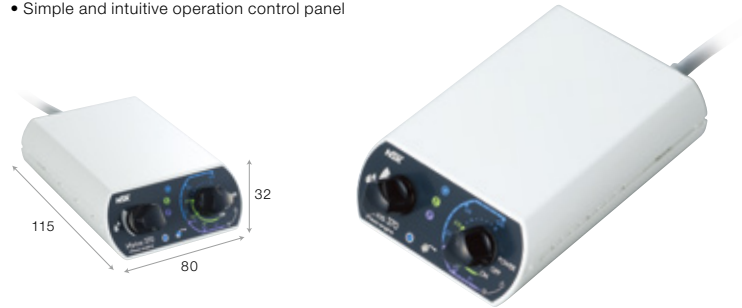
# Varios 370

## Compact Multipurpose Control Unit at Your Fingertips

Varios 370 has been especially developed to offer a compact, portable control unit allowing easy installation into any dental unit. It is simple to operate and suitable for a variety of clinical procedures.

### Advantages

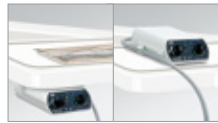
- Powered by iPiezo engine
- Potable ultra compact body
- Simple and intuitive operation control panel



### Varios 370 Units Installation Examples



On the dental console arm with Stand (optional).



On/Under the dental bracket table with Control Unit Holder



### Varios 370 Complete Sets

Optic	MODEL	ORDER CODE
●	VA370 LUX	Y1001388
—	VA370	Y1001391

### Contents

- Control unit with handpiece cord
- Control unit holder
- AC adaptor
- Handpiece
- Handpiece holder
- Water filter set
- Foot control (FC-71)
- 3 Scaling tips (G4, G6, G8)
- Tip wrench with torque limiter

### Specifications

- Power Supply: AC 100-240 V 50/60 Hz
- Frequency : 28-32 kHz
- Max. output : 11 W (G mode)
- Dimensions : W 80 x D 115 x H 32 mm (without knob and cord)
- Unit weight : 0.43 kg (without attachment)

# Varios 170

## Integrated Multi Function Ultrasonic Scaler

Varios 170 is the world's smallest built-in optic control module. It features the NSK iPiezo engine which ensures stable power output all the times. The slimmer and extremely lightweight handpiece with twin LED is easily added to the existing handpiece delivery unit and is controlled via the existing foot control.



### Sterilization Case

The handpiece, tips and tip wrenches can be sterilized together for your convenience.



### Varios 170 Complete Sets

Optic	MODEL	ORDER CODE
●	VA170LUXS1	Y1001351
—	VA170S1	Y1001352

### Contents

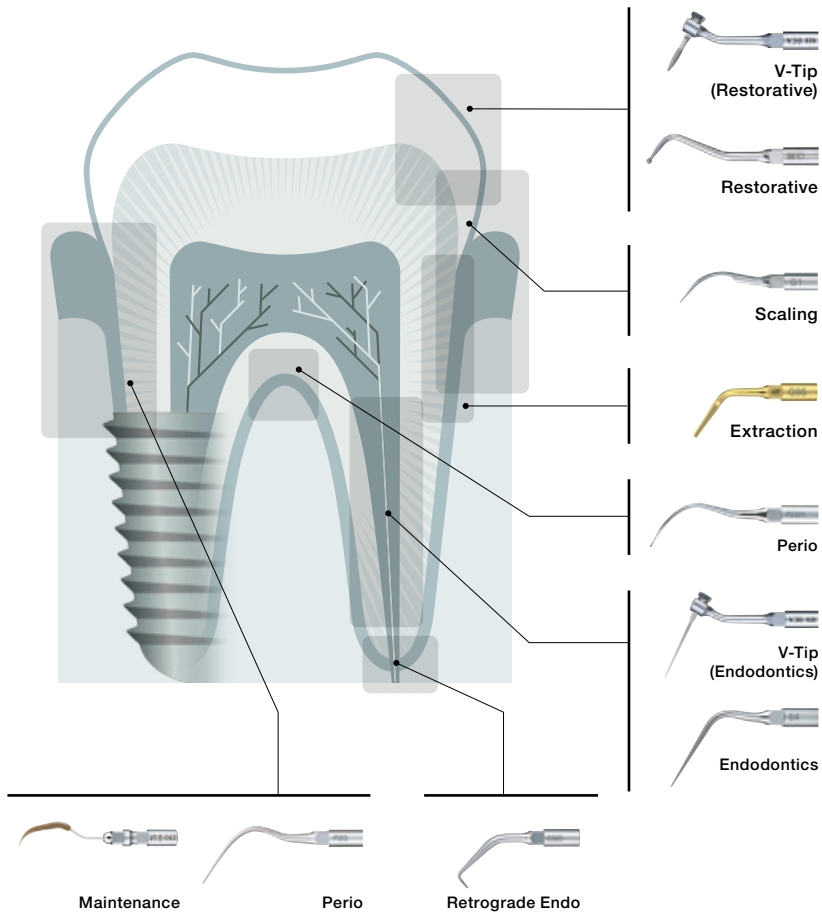
- Built in module
- Handpiece
- Handpiece cord
- 3 Scaling tips (G4, G6, G8)
- 3 x Tip replacement wrench with torque limiter

### Specifications

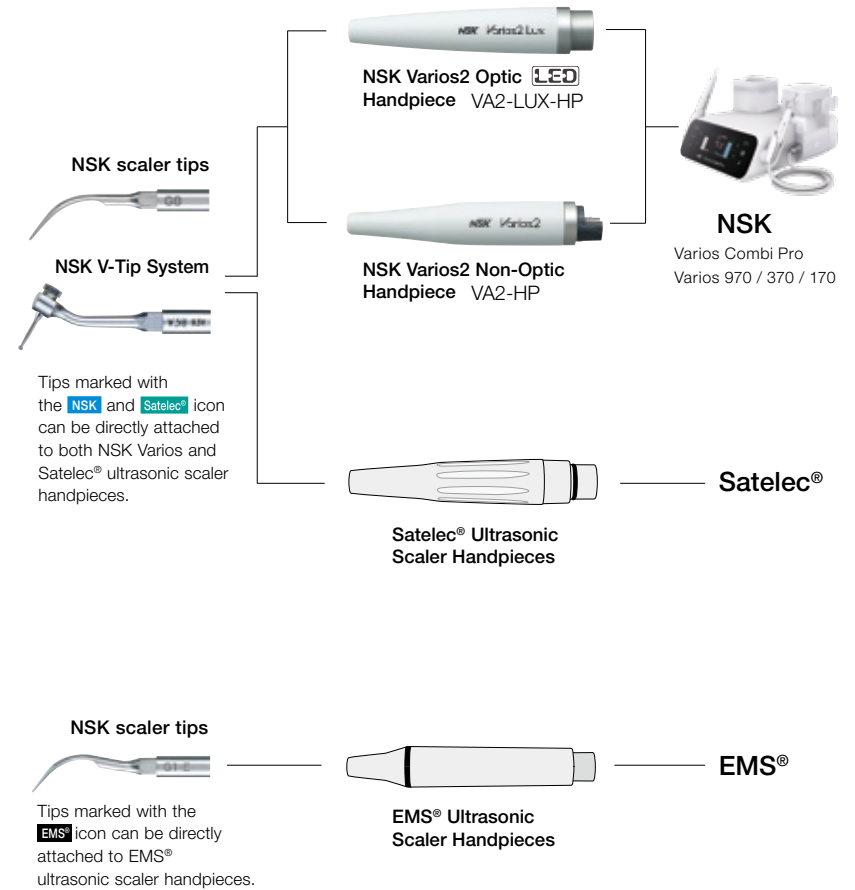
- Power Supply: AC 24 V ±10%
- Frequency : 28-32 kHz
- Max. output : 11 W
- Dimensions : W 63 x D 54 x H 26 mm
- Module weight : 59 g

# Ultrasonic Scaler Tips

NSK Offers a Wide Choice of Varios Ultrasonic Scaler Tips for Clinical Applications.





























NSK tips fit Varios2 ultrasonic scaler handpieces as well as Satelec® ultrasonic scaler handpieces. NSK make a number of tips which will fit on EMS® ultrasonic scaler handpieces. The following is a guide to illustrate all NSK Varios tips, their applications and connectivity.



Scaling

Cross Section Diagram

MODEL	ORDER CODE
  <b>G1</b>	<b>Z217101</b>
  <b>G1-E</b>	<b>Z291101</b>
MODEL	ORDER CODE
  <b>G2</b>	<b>Z217102</b>
  <b>G2-E</b>	<b>Z291102</b>
MODEL	ORDER CODE
  <b>G3</b>	<b>Z217103</b>
  <b>G3-E</b>	<b>Z291103</b>
MODEL	ORDER CODE
  <b>G4</b>	<b>Z217104</b>
  <b>G4-E</b>	<b>Z291104</b>
MODEL	ORDER CODE
  <b>G5</b>	<b>Z217105</b>
MODEL	ORDER CODE
  <b>G6</b>	<b>Z217106</b>
  <b>G6-E</b>	<b>Z291106</b>
MODEL	ORDER CODE
  <b>G8</b>	<b>Z217108</b>
MODEL	ORDER CODE
  <b>G9</b>	<b>Z217109</b>









Scaling

Cross Section Diagram

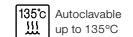
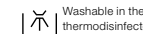
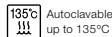
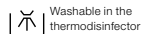
MODEL	ORDER CODE
  <b>G11</b>	<b>Z217411</b>
MODEL	ORDER CODE
  <b>G12</b>	<b>Z217412</b>
MODEL	ORDER CODE
  <b>G13</b>	<b>Z217413</b>
MODEL	ORDER CODE
  <b>G16</b>	<b>Z217120</b>

Perio (Root Planing)

Cross Section Diagram

MODEL	ORDER CODE
  <b>P1</b>	<b>Z217404</b>
MODEL	ORDER CODE
  <b>P1D</b>	<b>Z217405</b>
• Diamond coated	
MODEL	ORDER CODE
  <b>P2D</b>	<b>Z217402</b>
• Diamond coated • Right curved type	
MODEL	ORDER CODE
  <b>P3D</b>	<b>Z217403</b>
• Diamond coated • Left curved type	

\* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is three times bigger than the actual size.



Perio (Root Planing)

Cross Section Diagram

MODEL	ORDER CODE
<b>P10</b>	<b>Z217410</b>
• Sharp edge	

MODEL	ORDER CODE
<b>P11R</b>	<b>Z217408</b>
• Sharp edge • Right curved type	

MODEL	ORDER CODE
<b>P11L</b>	<b>Z217409</b>
• Sharp edge • Left curved type	

MODEL	ORDER CODE
<b>P20</b>	<b>Z217420</b>
<b>P20-E</b>	<b>Z291420</b>

MODEL	ORDER CODE
<b>P21R</b>	<b>Z217422</b>
<b>P21R-E</b>	<b>Z291422</b>
• Right curved type	

MODEL	ORDER CODE
<b>P21L</b>	<b>Z217421</b>
<b>P21L-E</b>	<b>Z291421</b>
• Left curved type	

Perio (Root Planing)

Cross Section Diagram

MODEL	ORDER CODE
<b>P25R</b>	<b>Z217424</b>
<b>P25R-E</b>	<b>Z291424</b>
• Right curved type	

MODEL	ORDER CODE
<b>P25L</b>	<b>Z217425</b>
<b>P25L-E</b>	<b>Z291425</b>
• Left curved type	

MODEL	ORDER CODE
<b>P26R</b>	<b>Z217426</b>
• Right curved type	

MODEL	ORDER CODE
<b>P26L</b>	<b>Z217427</b>
• Left curved type	

Perio (Irrigation and Cleaning)

Cross Section Diagram

MODEL	ORDER CODE
<b>P40</b>	<b>Z217550</b>
• Tip diameter $\phi$ 0.6 mm	

MODEL	ORDER CODE
<b>P41</b>	<b>Z217555</b>
• Tip diameter $\phi$ 0.8 mm	



Maintenance (V-Tip)

Perio-Control



MODEL	ORDER CODE
<b>V10</b>	<b>Z217041</b>

- V-Tip Holder
- Includes E-Tip replacement wrench
- Plastic Tip is not included

For the maintenance of prostheses and implants. Produced from special material to allow safe debridement without causing damage to metals and implants.

Cross Section Diagram



MODEL	ORDER CODE
<b>V-P10</b>	<b>Y900184</b>

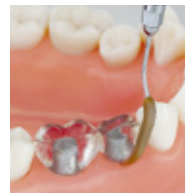
- Pack of 3
- V10 holder is not included

V-P12 is a longer version of the popular V-P10 tip. It serves a wide range of applications, including the maintenance of implants and other prosthetic devices. Its shape offers easy access to all treatment areas.



MODEL	ORDER CODE
<b>V-P12</b>	<b>Y1002167</b>

- Pack of 3
- V10 holder is not included



V-P10



V-P12



V-P11R



V-P26R

Maintenance (V-Tip)

V-P11R/L left and right are double bent tips. This tip is extra long to easily access difficult to reach areas and to avoid interference with neighbouring teeth or contours. Its shape was designed to best fit different tooth morphologies, making this a versatile tip for a wide range of uses from anterior teeth to premolars.

Cross Section Diagram



MODEL	ORDER CODE
<b>V-P11R</b>	<b>Y1002165</b>

- Right curved type
- Pack of 3
- V10 holder is not included



MODEL	ORDER CODE
<b>V-P11L</b>	<b>Y1002166</b>

- Left curved type
- Pack of 3
- V10 holder is not included

V-P26R/L is a double-bent tips. The wide angles offer access to areas that cannot be reached with V-P11R/L tips or other conventional instruments. These tips are ideally suited to access the distal surfaces of molars and corner areas as, the end of the tip fits tooth morphology very closely.



MODEL	ORDER CODE
<b>V-P26R</b>	<b>Y1002168</b>

- Right curved type
- Pack of 3
- V10 holder is not included



MODEL	ORDER CODE
<b>V-P26L</b>	<b>Y1002169</b>

- Left curved type
- Pack of 3
- V10 holder is not included

Endodontics

Cross Section Diagram				MODEL	ORDER CODE	
		<b>E4</b>	<b>Z217428</b>			
		<ul style="list-style-type: none"> <li>• For root canal cleaning</li> </ul>				
	<hr/>					
				MODEL	ORDER CODE	
		<b>E4D</b>	<b>Z217528</b>			
	<ul style="list-style-type: none"> <li>• Diamond coated</li> <li>• For root canal enlargement</li> </ul>					
<hr/>						
			MODEL	ORDER CODE		
	<b>E5</b>	<b>Z217305</b>				
<ul style="list-style-type: none"> <li>• Water not required</li> <li>• For lateral condensation</li> </ul>						
<hr/>						
			MODEL	ORDER CODE		
	<b>E6</b>	<b>Z217306</b>				
<ul style="list-style-type: none"> <li>• Water not required</li> <li>• For lateral condensation</li> </ul>						
<hr/>						
			MODEL	ORDER CODE		
	<b>E7</b>	<b>Z217307</b>				
<ul style="list-style-type: none"> <li>• Water not required</li> <li>• For removal of filling and foreign material</li> </ul>						
<hr/>						
			MODEL	ORDER CODE		
	<b>E7D</b>	<b>Z217317</b>				
<ul style="list-style-type: none"> <li>• Diamond coated</li> <li>• For enlargement of root canal wall</li> </ul>						

Endodontics

Cross Section Diagram				MODEL	ORDER CODE	
		<b>E8</b>	<b>Z217308</b>			
	<ul style="list-style-type: none"> <li>• Water not required</li> <li>• For removal of filling and foreign material</li> </ul>					
	<hr/>					
				MODEL	ORDER CODE	
		<b>E8D</b>	<b>Z217318</b>			
	<ul style="list-style-type: none"> <li>• Diamond coated</li> <li>• For enlargement of root canal wall</li> </ul>					
<hr/>						
			MODEL	ORDER CODE		
	<b>E15D</b>	<b>Z217319</b>				
<ul style="list-style-type: none"> <li>• Diamond coated</li> <li>• For locating root canals and removal of calcifications</li> </ul>						

Endodontics

120° Angle Holder for U files



MODEL	ORDER CODE
<b>E11</b>	<b>Z217031</b>

- For U files (ø0.8 mm)
- For root canal cleaning
- For anterior teeth • File is optional

95° Angle Holder for U files



MODEL	ORDER CODE
<b>E12</b>	<b>Z217032</b>

- For U files (ø0.8 mm)
- For root canal cleaning
- For posterior teeth • File is optional

U files 33 mm ISO 15

U files 33 mm ISO 20

U files 33 mm ISO 25

U files 33 mm ISO 30

U files 33 mm ISO 35

MODEL ORDER CODE

**U files 33 mm ISO 15 Y900062**

• ISO 15 • Pack of 6

MODEL ORDER CODE

**U files 33 mm ISO 20 Y900063**

• ISO 20 • Pack of 6

MODEL ORDER CODE

**U files 33 mm ISO 25 Y900064**

• ISO 25 • Pack of 6

MODEL ORDER CODE

**U files 33 mm ISO 30 Y900065**

• ISO 30 • Pack of 6

MODEL ORDER CODE

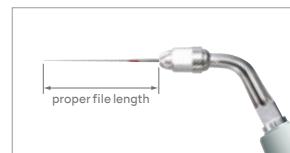
**U files 33 mm ISO 35 Y900066**

• ISO 35 • Pack of 6

Each pack of E11, E12 or V30 includes 1 x E Tip replacement wrench.  
Replacement wrench is not included when ordering other tips.  
Please order the replacement wrench separately in this instance.

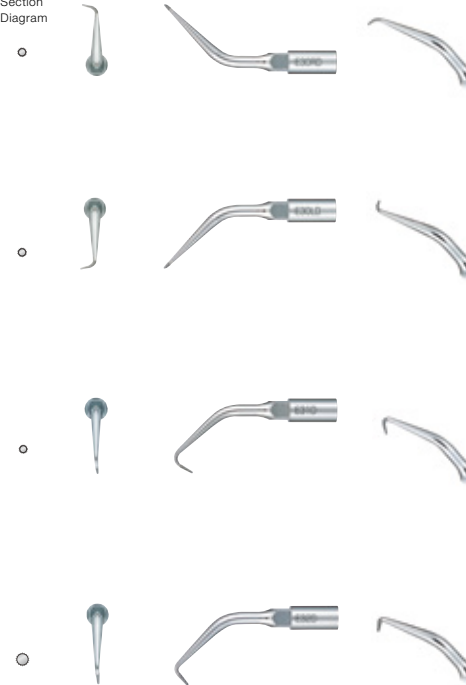
Always refer to this reference chart to ensure correct and accurate proper file length to avoid file breakage.

	ISO 15	ISO 20	ISO 25	ISO 30	ISO 35
E11	22 mm	24.5 mm	22 mm	22 mm	22 mm
E12	22 mm	24.5 mm	24.5 mm	24.5 mm	22 mm



Retrograde Endo

Cross Section Diagram



MODEL	ORDER CODE
<b>E30RD</b>	<b>Z217212</b>

- Diamond coated
- For posterior teeth (right angled)

MODEL	ORDER CODE
<b>E30LD</b>	<b>Z217213</b>

- Diamond coated
- For posterior teeth (left angled)

MODEL	ORDER CODE
<b>E31D</b>	<b>Z217210</b>

- Diamond coated
- For anterior and posterior teeth (70°)

MODEL	ORDER CODE
<b>E32D</b>	<b>Z217211</b>

- Diamond coated
- For anterior teeth (90°)

**Extraction**

Because the tip and the bilateral edges of the G95 tip are sharp it can be inserted without applying excessive force. Furthermore, because the abrasion of the periodontal ligaments using the tip creates a space between the tooth root surface and alveolar bone, tooth extraction can be conducted without injuring the bone around the root.

**Features**

- Access to a surgical site is improved by thinning the tip apex shape and sharpening both edge flanks.
- Adhesion areas of periodontal membrane can be removed smoothly.
- Tooth removal can be performed smoothly so that patient discomfort can be reduced.
- Approaches from angles hard to reach with hand instruments are also possible.

**Root extraction  
(upper left No. 2 tooth removal)**

Tooth extraction is possible without excessively cutting the alveolar bone around the remaining root, retaining the morphology of the alveolar bone.



**Impacted tooth  
(lower left No. 8 tooth removal)**

The use of the tip prior to extraction will mobilise the tooth and make extraction easier.



Be careful not to apply excessive force, as in cases of using elevators.  
Nishikawa-guchi dental clinic



MODEL	ORDER CODE
<b>NSK G95</b>	<b>Z217705</b>
<ul style="list-style-type: none"> <li>• TiN coating • 0.7 mm thick</li> <li>• A double edge, which is sharp in three directions</li> </ul>	

**Restorative (For Minimal Intervention)**

MODEL	ORDER CODE
<b>NSK Satelec G61D</b>	<b>Z217601</b>
• Diamond coated	

MODEL	ORDER CODE
<b>NSK Satelec G62D</b>	<b>Z217602</b>
• Diamond coated	

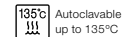
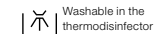
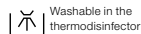
MODEL	ORDER CODE
<b>NSK Satelec G65D</b>	<b>Z217605</b>
• Diamond coated	

MODEL	ORDER CODE
<b>NSK Satelec G66D</b>	<b>Z217606</b>
• Diamond coated	

MODEL	ORDER CODE
<b>NSK Satelec G67D</b>	<b>Z217607</b>
• Diamond coated	

MODEL	ORDER CODE
<b>NSK Satelec G68D</b>	<b>Z217608</b>
• Diamond coated	

\* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is three times bigger than the actual size.



# Varios V-TIP System



NSK Varios V-Tip holder system is innovative, multi-functional and economical. The V-Tip holder is a separate component to the actual cutting tips and can be easily and inexpensively replaced. NSK V-Tip holder system offers the flexibility and expandability to meet the wide requirements for multi-purpose clinical applications.

## Restorative

P.120-121

- For Minimal Intervention
- For Finishing / Trimming / Polishing
- For Caries Removal



## Endodontics

P.119

- For Root Canal Cleaning
- For Root Canal Enlargement



- Ni-Ti Irrigation



**V30**  
120° Angle type

## Maintenance

P.110-111

- For Prostheses or Implant Maintenance
- Perio-Control**



**V10**  
Straight

## Endodontics V-Tip



MODEL	ORDER CODE
<b>V30</b>	<b>Z217030</b>

• V-Tip Holder • Tip is optional

• For root canal cleaning 17 mm • Pack of 3

• For root canal cleaning 23 mm • Pack of 3

• For root canal cleaning 26 mm • Pack of 3

• For root canal cleaning 32 mm • Pack of 3

MODEL	ORDER CODE
<b>V-S50</b>	<b>Y900169</b>

MODEL	ORDER CODE
<b>V-S51</b>	<b>Y900170</b>

MODEL	ORDER CODE
<b>V-S52</b>	<b>Y900171</b>

MODEL	ORDER CODE
<b>V-S53</b>	<b>Y900172</b>

MODEL	ORDER CODE
<b>V-S50D</b>	<b>Y900173</b>

MODEL	ORDER CODE
<b>V-S51D</b>	<b>Y900174</b>

MODEL	ORDER CODE
<b>V-S52D</b>	<b>Y900175</b>

MODEL	ORDER CODE
<b>V-S53D</b>	<b>Y900176</b>

MODEL	ORDER CODE
<b>V-N50</b>	<b>Y900182</b>

MODEL	ORDER CODE
<b>V-N51</b>	<b>Y900183</b>



\* In order to reduce the incidence of ledge formation, there is no diamond coating on the end of the tip. (1.0 mm)

• Diamond coated  
• For root canal enlargement 17 mm • Pack of 3

• Diamond coated  
• For root canal enlargement 23 mm • Pack of 3

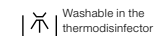
• Diamond coated  
• For root canal enlargement 26 mm • Pack of 3

• Diamond coated  
• For root canal enlargement 32 mm • Pack of 3

• Ni-Ti Irrigation 17 mm • Pack of 3

• Ni-Ti Irrigation 21 mm • Pack of 3

Each pack of E11, E12 or V30 includes 1 x E Tip replacement wrench. Replacement wrench is not included when ordering other tips. Please order the replacement wrench separately in this instance.



Restorative (For Minimal Intervention)



MODEL	ORDER CODE
<b>V30</b>	<b>Z217030</b>

• V-Tip Holder • Tip is optional



MODEL	ORDER CODE
<b>V-G70</b>	<b>Y900118</b>

• Diamond coated • Pack of 3



MODEL	ORDER CODE
<b>V-G71</b>	<b>Y900119</b>

• Diamond coated • Pack of 3



MODEL	ORDER CODE
<b>V-G72</b>	<b>Y900120</b>

• Diamond coated • Pack of 3



MODEL	ORDER CODE
<b>V-G75</b>	<b>Y900121</b>

• Diamond coated • Pack of 3



MODEL	ORDER CODE
<b>V-G76</b>	<b>Y900122</b>

• Diamond coated • Pack of 3

Each pack of E11, E12 or V30 includes 1 x E Tip replacement wrench. Replacement wrench is not included when ordering other tips. Please order the replacement wrench separately in this instance.

Restorative (For Finishing / Trimming / Polishing)



MODEL	ORDER CODE
<b>V30</b>	<b>Z217030</b>

• V-Tip Holder • Tip is optional



MODEL	ORDER CODE
<b>V-G77</b>	<b>Y900165</b>

• Diamond coated  
• Normal Grade • Pack of 3



MODEL	ORDER CODE
<b>V-G78</b>	<b>Y900166</b>

• Diamond coated  
• Fine Grade • Pack of 3



MODEL	ORDER CODE
<b>V-G79</b>	<b>Y900167</b>

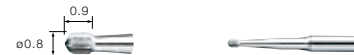
• Diamond coated  
• Super Fine Grade • Pack of 3

Restorative (For Caries Removal)



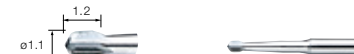
MODEL	ORDER CODE
<b>V30</b>	<b>Z217030</b>

• V-Tip Holder • Tip is optional



MODEL	ORDER CODE
<b>V-S1</b>	<b>Y900161</b>

• Stainless Tip • Pack of 3



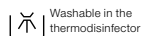
MODEL	ORDER CODE
<b>V-S3</b>	<b>Y900162</b>

• Stainless Tip • Pack of 3

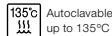


MODEL	ORDER CODE
<b>V-S33</b>	<b>Y900163</b>

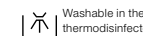
• Stainless Tip • Pack of 3



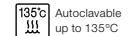
Washable in the thermodisinfecteur



Autoclavable up to 135°C



Washable in the thermodisinfecteur



Autoclavable up to 135°C

Tip Kits

Application PERIO



MODEL	ORDER CODE
<b>Perio Kit A</b>	<b>Y900144</b>

Contents

- P1D, P2D, P3D, P10 : 1 pc. each
- Tip holder : 1 pc.

Application PERIO Furcation and curved root face



MODEL	ORDER CODE
<b>Perio Kit B</b>	<b>Y900145</b>

Contents

- P20, P25R, P25L : 1 pc. each
- Tip holder : 1 pc.

Application MAINTENANCE For Prostheses or Implant Maintenance



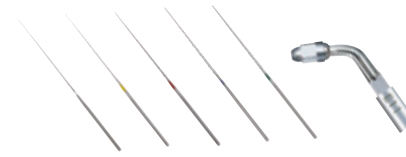
MODEL	ORDER CODE
<b>Perio-Control Tips Starter Kit</b>	<b>Y1002606</b>

Contents

- V10 holder : 1 pc.
- V-P11R, V-P11L, V-P12, V-P26R, V-P26L : 1 pc. each
- E Tip replacement wrench : 1 pc.

Tip Kits

Application ENDODONTICS For anterior root canal irrigation



Includes 5 types of U files (ø0.8 mm) plus 120° angle holder

MODEL	ORDER CODE
<b>Endo Kit E11</b>	<b>Y900146</b>

Contents

- E11 : 1 pc. 120° angle holder for anterior teeth
- E Tip replacement wrench : 1 pc.
- U files 33 mm #15, #20, #25, #30, #35 : Pack of 6 each size

Application ENDODONTICS For posterior root canal irrigation



Includes 5 types of U files (ø0.8 mm) plus 95° angle holder

MODEL	ORDER CODE
<b>Endo Kit E12</b>	<b>Y900147</b>

Contents

- E12 : 1 pc. 95° angle holder for posterior teeth
- E Tip replacement wrench : 1 pc.
- U files 33 mm #15, #20, #25, #30, #35 : Pack of 6 each size

Application ENDODONTICS 4 kinds of Retrograde Root filling tips



MODEL	ORDER CODE
<b>Retro Kit</b>	<b>Y900149</b>

Contents

- E30RD, E30LD, E31D, E32D : 1 pc. each
- Tip holder : 1 pc.





# Ti-Max S970



Titanium Body with Scratch  
Resistant DURACOAT  
3 level Power Ring  
Cellular Glass Optics



Includes 3 tips (S1, S2 & S3),  
Tip Wrench (CR-20) and  
Tip Cover (L)

## NSK Couplings

Optic	MODEL	ORDER CODE
●	<b>S970L</b>	<b>T1005</b>
—	<b>S970</b>	<b>T1020</b>

## KaVo® Coupling

Optic	MODEL	ORDER CODE
●	<b>S970KL</b>	<b>T1013</b>

## Sirona® Coupling

Optic	MODEL	ORDER CODE
●	<b>S970SL</b>	<b>T1015</b>

# AS2000

- Frequency of oscillation : 5,600-6,000 Hz
- Includes 3 tips (S1, S2 & S3), Tip Wrench (CR-20) and Tip Cover (L)



Optic	MODEL	ORDER CODE
—	<b>AS2000 M4</b>	<b>T698</b>

- For Midwest 4 hole

# Air Scaler Tips

## Scaling

Cross Section Diagram



MODEL	ORDER CODE
<b>S1</b>	<b>Z252411</b>

- Universal Type



MODEL	ORDER CODE
<b>S2</b>	<b>Z252413</b>

- Sickle Type



MODEL	ORDER CODE
<b>S3</b>	<b>Z252412</b>

- Perio Type

## Perio

Cross Section Diagram



MODEL	ORDER CODE
<b>S10</b>	<b>Z252420</b>

- Universal Type Slim Line



MODEL	ORDER CODE
<b>S20</b>	<b>Z252441</b>

- Root Planning (Straight tip)



MODEL	ORDER CODE
<b>S21R</b>	<b>Z252442</b>

- Root Planning (Right curved tip)



MODEL	ORDER CODE
<b>S21L</b>	<b>Z252443</b>

- Root Planning (Left curved tip)

## Maintenance (V-Tip) Perio-Control



MODEL	ORDER CODE
<b>S35</b>	<b>Z252015</b>

- Includes E-Tip replacement wrench
- V-Tip Holder • Plastic Tip is not included

Cross Section Diagram



MODEL	ORDER CODE
<b>V-P10</b>	<b>Y900184</b>

- Pack of 3
- S35 holder is not included



MODEL	ORDER CODE
<b>V-P12</b>	<b>Y1002167</b>

- Pack of 3
- S35 holder is not included



MODEL	ORDER CODE
<b>V-P11R</b>	<b>Y1002165</b>

- Right curved type • Pack of 3
- S35 holder is not included



MODEL	ORDER CODE
<b>V-P11L</b>	<b>Y1002166</b>

- Left curved type • Pack of 3
- S35 holder is not included

## Air Scaler Kit



MODEL	ORDER CODE
<b>Perio-Control Tips Air Scaler Kit</b>	<b>Y1002754</b>

- S35 holder : 1 pc.
- V-P10, V-P11R, V-P11L, V-P12 : 1 pc. each
- Includes E-Tip replacement wrench

**Restorative (For Minimal Intervention)**

Unlike rotary instruments these tips oscillate and are designed to only cut on one surface allowing minimally invasive site preparation and thereby greatly reducing the risk of damaging adjacent teeth and soft tissue. The spherical shape of these tips make them suitable for delicate adjustments as well as caries removal in the cervical and interproximal region.

			MODEL	ORDER CODE
			<b>S65D</b>	<b>Z252465</b>
• Diamond coated				

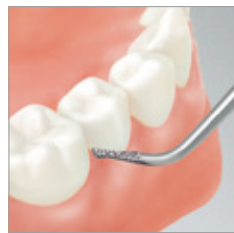
			MODEL	ORDER CODE
			<b>S66D</b>	<b>Z252466</b>
• Diamond coated				

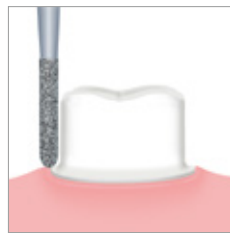
			MODEL	ORDER CODE
			<b>S67D</b>	<b>Z252467</b>
• Diamond coated				

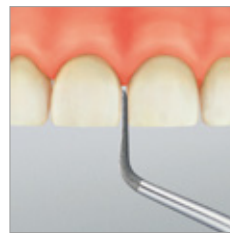
			MODEL	ORDER CODE
			<b>S68D</b>	<b>Z252468</b>
• Diamond coated				



S65D



S81D



S72D

**Restorative (For Preparation of Crown Cores)**

The tips can be used for finishing margins after prepping the area with a conventional dental bur. That enables you to finish minute sharp edges and gingival sulcus without damage, something that cannot be accomplished with rotary instruments alone. Three types of tips are available for deep chamfer, light chamfer and shoulder work, respectively.

			MODEL	ORDER CODE
			<b>S81D</b>	<b>Z252469</b>
• Diamond coated				

			MODEL	ORDER CODE
			<b>S82D</b>	<b>Z252462</b>
• Diamond coated				

			MODEL	ORDER CODE
			<b>S83D</b>	<b>Z252461</b>
• Diamond coated				

			MODEL	ORDER CODE
			<b>S86D</b>	<b>Z252460</b>
• Diamond coated				

These tips are safe sided and flat for minimal mesial or distal preparations.

			MODEL	ORDER CODE
			<b>S71D</b>	<b>Z252471</b>
• Diamond coated				

			MODEL	ORDER CODE
			<b>S72D</b>	<b>Z252472</b>
• Diamond coated				

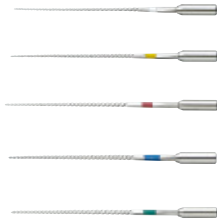
# V-TIP System



NSK V-Tip system is innovative, multi-functional and economical. The V-Tip holder is a separate component to the actual cutting tips and can be easily and inexpensively replaced. NSK V-Tip holder system offers the flexibility and expandability to meet the wide requirements for multi-purpose clinical applications.

## Endodontics

P.135



**S75**

120° Angle type

## Maintenance

P.131

- For Prostheses or Implant Maintenance

### Perio-Control



**S35**

Straight

## Endodontics V-Tip



MODEL	ORDER CODE
-------	------------

**S75**      **Z252035**

- Includes E-Tip replacement wrench
- V-Tip Holder

MODEL	ORDER CODE
-------	------------

**V-U15**      **Y900177**

- V-file Irrigation 23 mm #15
- ISO 15 • Pack of 6

MODEL	ORDER CODE
-------	------------

**V-U20**      **Y900178**

- V-file Irrigation 23 mm #20
- ISO 20 • Pack of 6

MODEL	ORDER CODE
-------	------------

**V-U25**      **Y900179**

- V-file Irrigation 23 mm #25
- ISO 25 • Pack of 6

MODEL	ORDER CODE
-------	------------

**V-U30**      **Y900180**

- V-file Irrigation 23 mm #30
- ISO 30 • Pack of 6

MODEL	ORDER CODE
-------	------------

**V-U35**      **Y900181**

- V-file Irrigation 23 mm #35
- ISO 35 • Pack of 6

# Prophy-Mate neo



## Prophy-Mate neo, The Best Polishing Tool for Beautiful White Teeth

Supragingival powder polishing is highly effective when used in combination with "FLASH pearl." NSK's unique twin nozzle achieves powerful powder discharge. The long and slim handpiece in conjunction with the small nozzle tip dramatically improves accessibility around all tooth surface. Cleaning can be performed quickly even in interproximal areas teeth and in usually difficult to reach areas. The ergonomically designed grip is comfortable to hold and allows for flexible operation.

### Improved Polishing Power

With NSK original twin nozzles, greater polishing power is realized. With powerful jet, cleaning time is greatly shortened thus reduces treatment time.



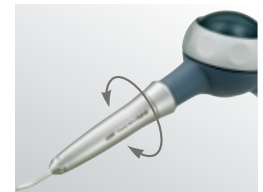
### Easy Detachable Nozzles with 60° and 80°

Selectable 60° and 80° nozzles maximize the cleaning ability. 60° nozzle works especially well for molar area and occluding surface and 80° nozzle for anterior tooth.



### Smooth, Easy 360° Swivel

Twin joints rotate smoothly 360 degrees for easy operability, responding flexibly to minute fingertip movements with effortless adjustment of the nozzle angle.



### Simple One-touch Connection

The Prophy-Mate neo is designed for a one-touch attachment to NSK couplings and other major coupling brands. The handpiece also can be attached to the powder case with one-touch operation.



# Prophy-Mate neo

Air Powered Tooth Polishing System



60° and 80° nozzles



## Prophy-Mate neo Complete System

	MODEL	ORDER CODE
NSK Coupling	<b>PMNG-PTL-P</b>	<b>Y135029</b>
KaVo® Coupling	<b>PMNG-KV-P</b>	<b>Y135030</b>
Sirona® Coupling	<b>PMNG-SR-P</b>	<b>Y135031</b>
W&H® Roto Quick	<b>PMNG-WH-P</b>	<b>Y135032</b>
Bien-Air® Unifix®	<b>PMNG-BA-P</b>	<b>Y135033</b>
Midwest 4 hole (Direct-connect / Screw-on Type)	<b>PMNG-M4-P</b>	<b>Y135034</b>
Borden 2 hole (Direct-connect / Screw-on Type)	<b>PMNG-B2-P</b>	<b>Y135035</b>

■ No light during use (when using optic coupling).

### Contents

- Handpiece with 60° nozzle head
- Powder case
- Replacement nozzle head 80°
- 5 pcs. x 15 g sachets of FLASH pearl cleaning powder
- Maintenance kit

# FLASH pearl

Cleaning Powder

### Features

- Fast cleaning in tight spaces
- Zero salinity, gentle ingredients with low impact on patients
- Clogging is also minimized

MODEL	ORDER CODE
<b>FLASH pearl (Bottle)</b>	<b>Y900698</b>

- 4 bottles packed in a box
- Comes with a measuring cup for your convenience
- Each bottle contains 300 g



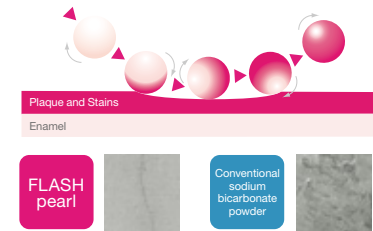
## Outstanding Cleaning Results with Gentle Powder

Not salty! The powder has less impact due to the delicate flavour and provides patients with gentle tooth surface cleaning. The secret behind intense cleaning and a smooth finish? Calcium-based spherical particles. Fine powder with an average particle size of 54 µm move as if rolling across the surface of the tooth, limiting damage to the tooth surface and rapidly removing plaque and staining. The FLASH pearl treatment is effective in a short space of time which encourages patients to schedule regular cleaning appointments.

## Sparkling Results Every Time

FLASH pearl, a cleaning powder for Prophy-Mate neo and Varios Combi Pro, is a spherical particulate powder designed to roll smoothly over tooth surfaces and penetrate all corners for rapid cleaning. The spherical shape of the powder granules lessens the likelihood of damage to teeth and soft tissue while removing stains and plaque quickly and safely.

■ Adverse reactions to this product are rare.



The surface of the tooth after powder polishing under an electron microscope



# Perio-Mate



## Extensive Range of Applications Ranging from Supragingival to Subgingival Use

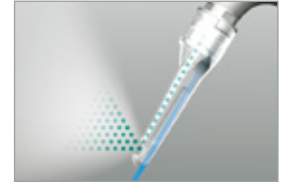
### Flexible Plastic Nozzle Tip Design Ensures Accessibility and is Gentle to The Pocket

The slim nozzle tip possesses just the right degree of flexibility to pass smoothly over tooth surfaces, and can be easily inserted into tight pockets and the root surfaces of adjacent teeth without causing the patient discomfort.



### Optimize Using Powder Flow Analysis

Turbine development technology uses accumulated fluid analysis which allows 'spraying' that takes into account the powder flow in the pocket. It is not mono-directional, rather the flow is even and all-directional, minimising soft-tissue damage and subgingival plaque and biofilm can be removed efficiently. With respect to potential damage, powder (air) and water are separately discharged onto periodontal tissue.



### Slim Nozzle Facilitates Operation in The Narrow Confines of The Oral Cavity

The long, narrow nozzle shape is designed to allow easy access to areas that require inserting the handpiece at an angle, such as between molars.



### Smooth 360-degree Rotation for Safe and Accurate Operation

The handpiece can easily be rotated using the fingertips even while performing complex operations. The nozzle tip allows easy access to difficult to reach areas, and does not adversely affect neighbouring teeth and contours.



### Powder Flow Volume Adjustment

The Perio-Mate's convenient Powder Control Ring makes fine-tuning powder flow simple and intuitive with quick fingertip adjustments. In addition to easily controlling and stopping the flow of powder in this way, you can cleanse the treatment area from biofilm uninterruptedly.



### Product Maintenance

The user can easily disassemble the nozzle, handpiece and powder case. Powder clogging is unlikely when handled and maintained correctly but is easy to manage by following the maintenance guidelines and the relevant accessories included with the product. All the parts of the handpiece (other than the nozzle tip) can be repeatedly cleaned ultrasonically or sterilized in an autoclave.





# Perio-Mate

Biofilm Eraser



## Perio-Mate Complete System

	MODEL	ORDER CODE
NSK Coupling	<b>PER-PTL-P</b>	<b>Y1002654</b>
KaVo® Coupling	<b>PER-KV-P</b>	<b>Y1002655</b>
Sirona® Coupling	<b>PER-SR-P</b>	<b>Y1002656</b>
W&H® Roto Quick	<b>PER-WH-P</b>	<b>Y1002657</b>
Bien-Air® Unifix®	<b>PER-BA-P</b>	<b>Y1002658</b>
Midwest 4 hole (Direct-connect / Screw-on Type)	<b>PER-M4-P</b>	<b>Y1002659</b>
Borden 2 hole (Direct-connect / Screw-on Type)	<b>PER-B2-P</b>	<b>Y1002660</b>

■ No light during use (when using optic coupling).

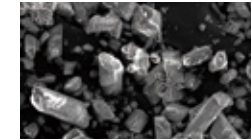
### Contents

- Handpiece • Powder case • Nozzle tip (40 pcs) • Maintenance kit
- Perio Mate Powder 160 g x 1

# Perio Mate Powder

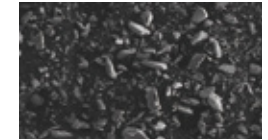
## Powder Particle Comparisons

The fine Perio Mate Powder is ideal for periodontal pocket treatment.



### Conventional Sodium Bicarbonate Powder

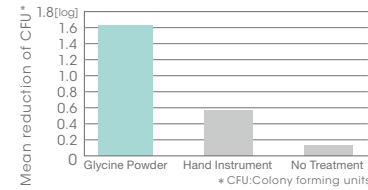
Average particle diameter: 73 µm  
Scanning electron microscope image magnification of 150 X



### Perio Mate Powder (glycine)

Average particle diameter: 25 µm  
Scanning electron microscope image magnification of 150 X

## Reduction of Bacteria



The air-polish process with Perio Mate Powder (glycine-based) results in significantly better bacterial reduction than manual plaque removal.

Petersilka GJ, Tunkel J, Barakos K, Heinecke A, Häberlein I, Flemmig TF. Subgingival plaque removal at interdental sites using a low-abrasive air polishing powder. J Periodontol. 2003 Mar;74(3):307-11.

## Features

- Subgingival airpolishing powder
- Principal ingredient is glycine, an amino acid present in proteins
- Highly water soluble to prevent subgingival retention
- Lower Mohs hardness than dentin
- \*Glycine ranks 2 on the Mohs hardness scale, while dentin is 2 to 2.5
- Average powder particle diameter is 25 µm



MODEL	ORDER CODE
<b>Perio Mate Powder</b>	<b>Y900938</b>

### Contents

- Two bottles (160 g each)

## Perio Mate Nozzle Tip



MODEL	ORDER CODE
<b>Perio Mate Nozzle Tip</b>	<b>Y1002741</b>

- 40 pcs per pack





ENDODONTICS



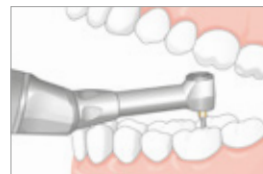
# ENDO-MATE TC2

## Stress free for more comfort

Cordless handpiece delivers freedom of movement. Lightweight, ergonomic design.

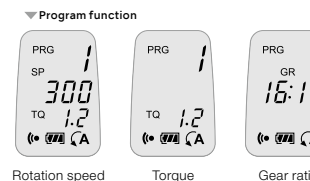
## Mini head & Slim neck

Miniature head allows access even to the most difficult to reach areas. Slim neck assures higher visibility.



## Program function

User definable 5 presets - Speed, Torque, Gear Ratio & Auto Reverse mode. Last program settings can be memorized when the power turns on.

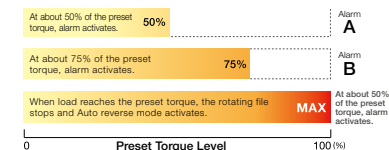


## Safety for delicate endodontic treatment

Smart Auto Reverse & Alarm Function for safer endodontic procedures. The feedback circuit keeps stable rotation even when the load on the motor handpiece changes. Power turns off automatically to improve safety and save energy. Calibration function for more precise rotation speed and torque setting.

## Two kinds of alarm sound for safer and efficient treatment

Alarm enables operators to prevent to put too much burden on files, realizing less metal fatigue.



## ENDO-MATE TC2 Complete Set

MODEL	ORDER CODE
<b>ENDO-MATE TC2</b>	<b>Y1001027</b>

### Contents

- MP-F16R Head • ENDO-MATE TC2 Motor • Battery Charger

## ENDO-MATE TC2 Complete MPA Set

MODEL	ORDER CODE
<b>ENDO-MATE TC2 MPA</b>	<b>Y1001028</b>

### Contents

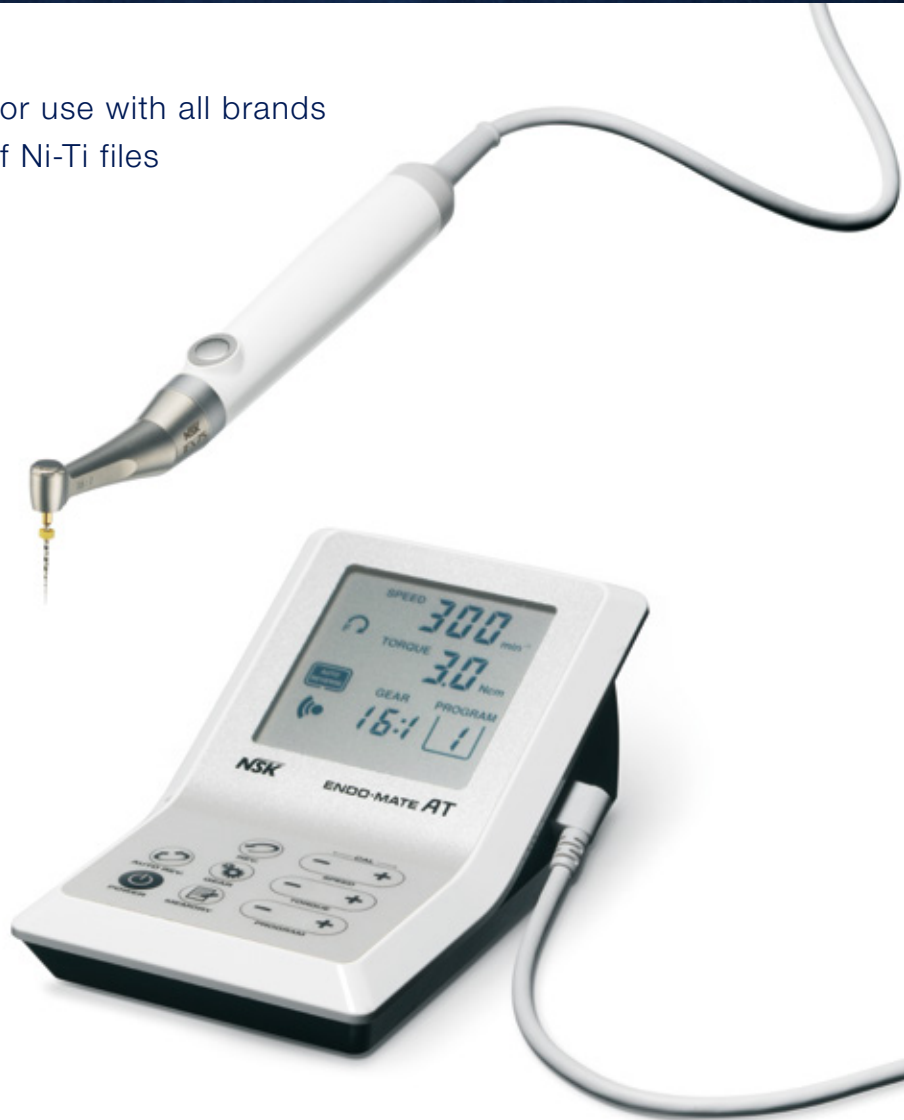
- MPA-F16R Head • ENDO-MATE TC2 Motor • Battery Charger

### Specifications

- Speed range : 2,000-9,000 min<sup>-1</sup>
- Charge : 1.5 h (depending on workload)
- Continuous use : 1.2 h (depending on workload)

# ENDO-MATE AT

For use with all brands of Ni-Ti files



### Fits all major brands of Ni-Ti files

9 preset settings (speed and torque etc) are available and can be programmed simply by pushing the memory function button. Moving between each preset program is easy and allows application of the handpiece with all major Ni-Ti File manufacturer's required settings.

Gear	Head Speed (min <sup>-1</sup> )
20:1	100-650
16:1	125-800
10:1	200-1,300
4:1	500-3,200
1:1	2,000-13,000

### Auto reverse function

The auto reverse function activates when the preset torque level has been exceeded and can be set to operate in the following.

### Improved visibility

The extra slim head and body design greatly improves direct and indirect visibility to the operational field, even when applied to difficult access areas.



### Stress free for more comfort

The slim and light weight handpiece has been created for ergonomic hand comfort during extended operational use when very fine movement is particularly necessary. The two way On/Off switch is immediately responsive and always accessible.

### Compact Stylish Control Pad

Endodontic procedures are expedited and accuracy is assured due to features such as the non reflective LCD screen - designed for full visibility and delivering immediate confirmation of control settings. The clear icon system is designed to confirm operator confidence when changing settings prior to a procedure.

### ENDO-MATE AT with 16:1 Head

MODEL	ORDER CODE
ENDO-MATE AT (230V)	Y1002190

#### Contents

- Control Unit, Motor Handpiece • Contra-angle Head (IFX75)
- Handpiece Stand • AC Adaptor

#### Specifications

- Power Supply : AC 230 V 50/60 Hz
- Number of Programs : 9
- Max. Torque : 7 Ncm (when using 20:1 head)
- Speed range : 100-13,000 min<sup>-1</sup>
- Dimensions : W 268 x D 230 x H 103 mm
- Weight : 342 g (Including Motor handpiece)



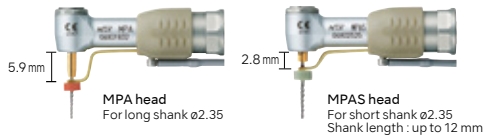
\*Files are not included.

# ENDO-MATE TC2/ENDO-MATE AT Heads

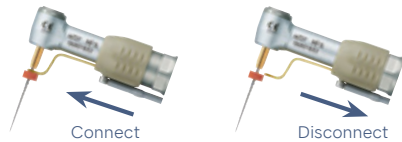
## Apex Locator Capability

MPA and MPAS heads are equipped with built in probe ring which enable to use your Apex locator with the ENDO-MATE TC2 & AT systems. By combining an Apex Locator with NSK ENDO-MATE TC2 & AT, clinicians will be able to perform more accurate root canal preparations. All contra angle heads are autoclavable up to 135°C.

2 types of file holders are available relevant to the shank length of the file selected.



Attach the Apex Locator Monitor by moving it forward to contact the file. Release by moving away from the file.



	MODEL	ORDER CODE
<b>20:1 Reduction</b>	<b>MP-F20R</b>	<b>Y110044</b>
<b>16:1 Reduction</b>	<b>MP-F16R</b>	<b>Y110096</b>
<b>10:1 Reduction</b>	<b>MP-F10R</b>	<b>Y110048</b>

- For Ni-Ti files (ø2.35) • Miniature Head • 360° Rotation
- Push Button Chuck



	MODEL	ORDER CODE
<b>20:1 Reduction</b>	<b>MPAS-F20R</b>	<b>Y110046</b>
<b>16:1 Reduction</b>	<b>MPAS-F16R</b>	<b>Y110098</b>

- For Ni-Ti files (ø2.35) • Miniature Head • 360° Rotation
- Connection for Apex locator (For short shank) • Push Button Chuck



	MODEL	ORDER CODE
<b>16:1 Reduction</b>	<b>iFX75</b>	<b>C1098</b>

- For Ni-Ti files (ø2.35) • Miniature Head • 360° Rotation
- Push Button Chuck • Stainless Steel Body • For ENDO-MATE AT

# iPexII



### Features

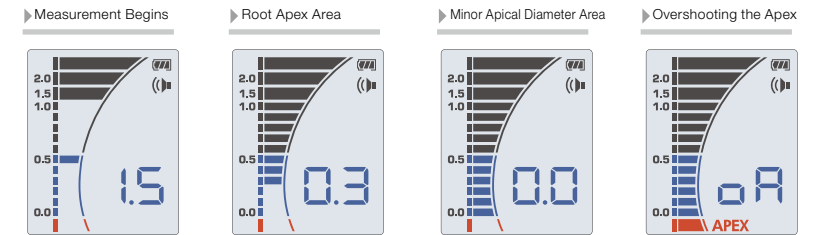
- High-precision root canal measurement generated by using SmartLogic
- Auto-detects the apex accurately in any conditions, dry or wet
- A stylish and compact body requiring only a small space
- 3 different alert sounds depending on the location of the file tip, ensuring precise procedures
- A 3 colour LCD panel with very low reflectivity, allowing clinicians to accurately and instantly monitor procedure progress
- Energy saving and low operation cost

### Next-Generation SmartLogic Controller

NSK's SmartLogic controller combines two advanced technologies to accurately analyse signals. iPexII SmartLogic technology removes virtually all signal interference from the root canal itself to precisely detect the location of the apex.

- iPexII SmartLogic alternates between two separate frequencies to take measurements. By reducing the noise that interferes with signal analysis, it generates a high-precision wave system that does not require a filtering circuit.
- iPexII SmartLogic uses the whole wave system to analyse the extracted frequency. This produces steady measurement analysis even under varying conditions in the root canal while retaining a constant link to file insertion progress.

### The 3 Colour LCD Visual Monitor Screen



### Monitoring the Canal Depth

For integration into Endodontic instruments (ENDO-MATE TC2 / ENDO-MATE AT / Contra-angle)  
The NSK endodontics products and iPexII ensure safe, precise and efficient root canal procedures.



### iPexII Complete Set

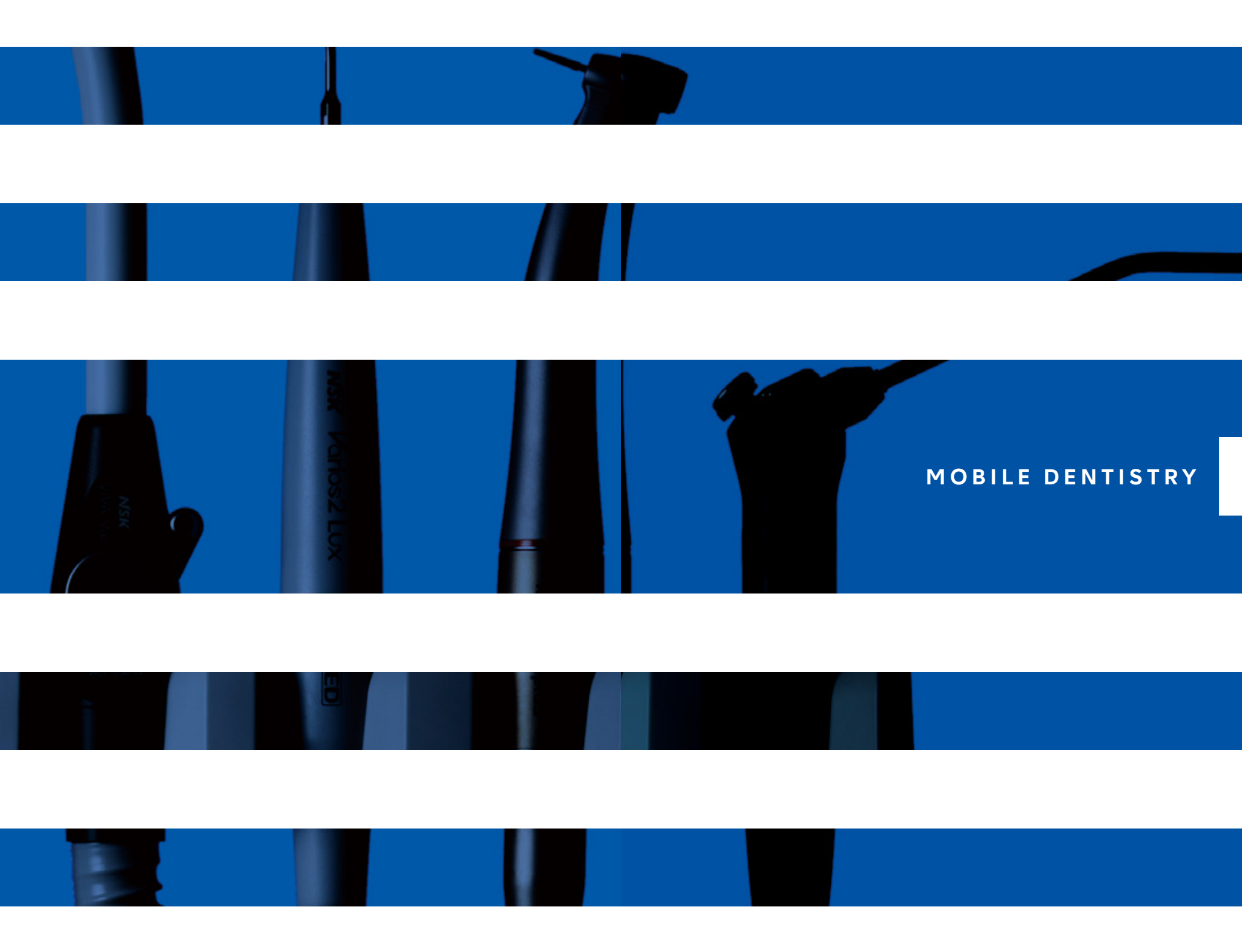
MODEL	ORDER CODE
iPexII Complete Set	Y1002208

### Contents

- Control unit
- iPexII Probe (1.8 m)
- iPexII File Clip (3 pcs.)
- Lip Hook (3 pcs.)
- AAA manganese dry batteries (3 pcs.)
- iPexII Tester

### Specifications

- Power Supply : for 1.5 V AAA (LR03 or R03) batteries
- Dimensions : W 60 x D 60 x H 86 mm
- Continuous use : Approx. 60 h
- Weight : 76 g (unit without batteries)



MOBILE DENTISTRY

# Dentalone



## Helping You Care. Anywhere.\*

Dentalone offers a large range of instruments and extended functionalities, thus practitioners can realise dental treatments outside any dentist's office:

**■ NLX nano**  
**Electric Clinical Micromotors**  
 • Smaller and lighter micromotor currently available.

**■ Varios2 Lux**  
**Multi Function Ultrasonic Scalers**  
 • iPiezo engine ensures stable power output and performance.



**■ Multi Pad**  
**Multi-Control Panel for built-in system**  
 • Visual identification on the display is possible even during operation of the handpiece.

- Illuminated LCD control panel Multi Pad
- 40,000 min<sup>-1</sup> autoclavable brushless NLX nano micromotor with LED light, internal water and titanium body
- Integrated multi function ultrasonic scaler Varios 170 with LED light, slim and light weight VA2-LUX-HP handpiece
- 3-way air / water / spray syringe with LED light
- Saliva complete suction
- 500 mL water tank
- 1 Liter waste container



### Dentalone Complete Set

MODEL	ORDER CODE
<b>Dentalone</b>	<b>S9070</b>

#### Contents

- 1 Carrying Case
- 1 Water tank for spray
- 1 Tank for vacuum
- Built in compressor
- Built in suction pump
- 1 Variable Foot Control
- 1 Extendable Tablet

#### Specifications

- Dimensions : Case with trolley (unpulled trolley handle) : W 351 x D 405 x H 545 mm  
 Case with trolley (pulled trolley handle) : W 351 x D 405 x H 1,075 mm  
 Without case : W 350 x D 405 x H 496 mm
- Working height : 766 mm
- Weight with case : 18,5 kg
- Power Supply: AC 100-230 V 50/60 Hz



# VIVA ace



## Wherever Possible

### For more comfortable & more advanced home visits for dental treatment

As societies age more rapidly, there is an ever greater need for mobile dental treatment. Today's ageing population keeps more of their natural teeth, which means a wider range of treatments is required nearer to the patient. VIVA ace combines the functionality of a dental treatment centre in a compact body with multipurpose micromotor, ultrasonic scaler and more. Its lightweight build means it is easy to carry and straight forward to set up in different locations. The first of its kind with high-functionality, supports more comfortable dental treatment wherever the patient.



**Lightweight and Compact Body**



**High Functionality, Just Like a Treatment Centre**



**Straight Forward Set-up and Breakdown**



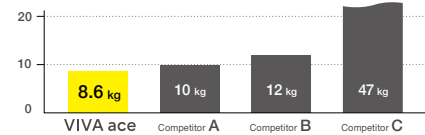
### Lightweight and Compact Body

Highly manoeuvrable and lightweight, weighing only 8.6 kg. Its compact size is ideal for stowing in a car, is easily carried up and down stairs and fits into compact spaces. Simple to transport from one patient to another. The small size has been achieved by making each component lightweight and compact without compromising functionality.

### All-in-one Package

A micromotor, ultrasonic scaler, 3 in 1 syringe and suction combined in a single compact body including storage space for all instruments.

**Lightweight at 8.6 kg\*, it can be Taken Anywhere.**



\*Weight without handpieces

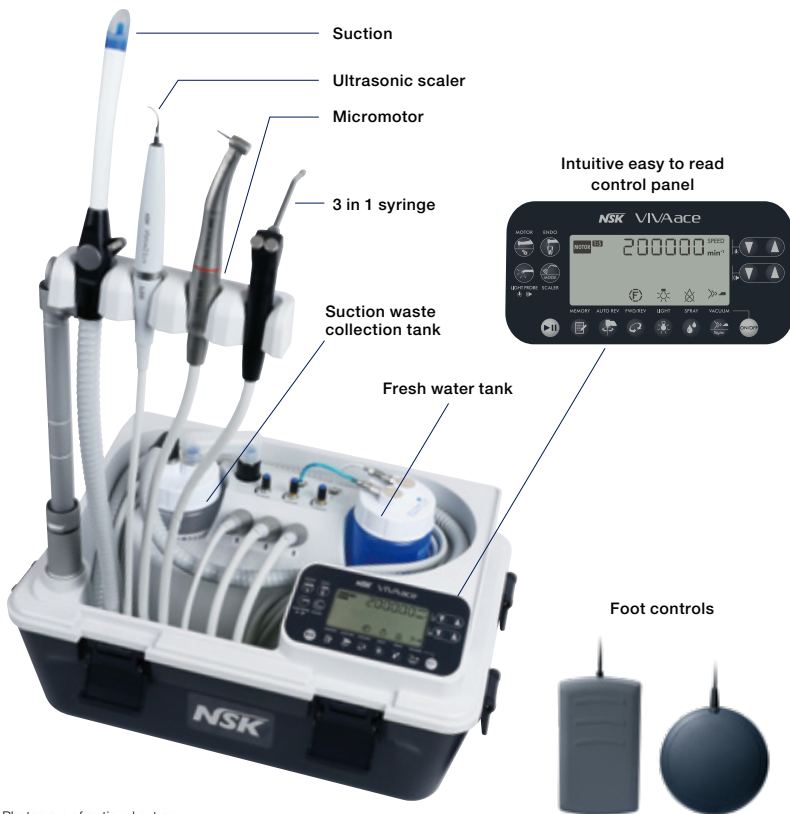




### Highly Functional Portable Dental System Just Like a Treatment Centre

Excellent efficiency and safety are achieved via both the intuitive and highly visible large LCD control panel and the superb functionality provided by each individual instrument. A high functionality system just like a treatment centre.

### Advanced Functionality in a Compact Body



Photos are of optional extras.

### High Functionality Micromotor Full endodontic functionality



NLX plus

Ideally suited for all requirements of state of the art dentistry

	Rotation speed (min <sup>-1</sup> )	Torque (Ncm)
General mode	1,000 ~ 40,000	4.0
Endodontic mode	100 ~ 5,000	0.3 ~ 3.0

### 3 in 1 syringe



Lightweight and simple operating 3 in 1 syringe. The syringe nozzle uses a simple quick release mechanism.

### Light Probe (optional)



isoE-LUX

### Multipurpose Ultrasonic Scaler Comprehensive tip range



Varios2 Lux

### NSK iPiezo ultrasonic engine

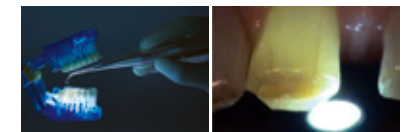
Provides the appropriate power at the tip end adapting to tooth conditions for firm or soft tartar. Safe scaling is possible even when removing hard tartar.

### Suction



Built in ball lever valve to adjust suction power.

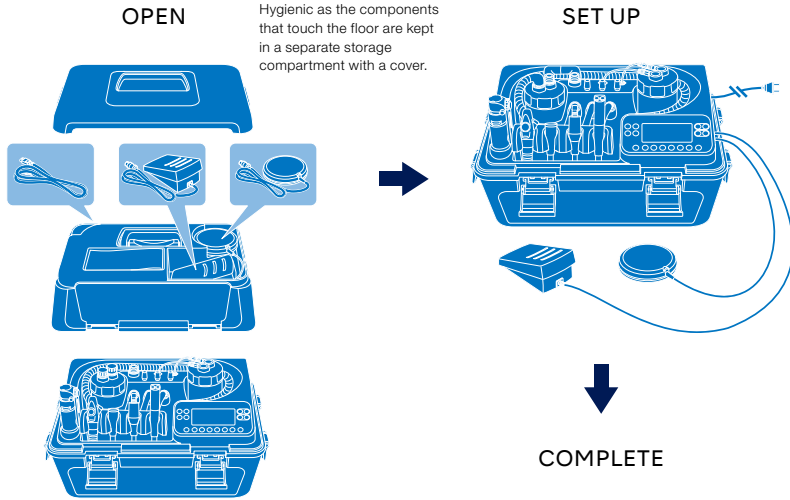
Bright illumination of the oral cavity in any treatment environment. Good accessibility with a slim body that also makes it possible to access hard-to-see areas.





### Quick Set up and Storage

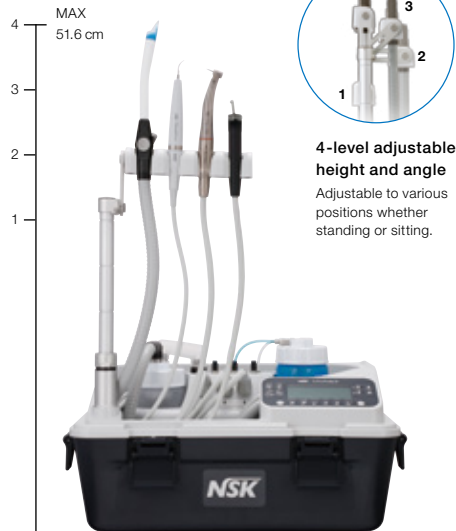
Set up and storage is straight forward, simple and quick, making work more efficient and easier. The instrument holders and arm can be set at 4 different levels.



**Storage is simple**  
Remove the handpieces for easy storage.



Very easy to maintain



# VIVA ace



### VIVA ace Complete Set

MODEL	ORDER CODE
<b>VIVA ace Complete Set</b>	<b>Y1004228</b>

#### Contents

- VIVA ace Basic Set
- VIVA ace Motor Kit
- VIVA ace Scaler Kit

#### Specifications

- [Control Unit]
- Dimensions : W 462 x D 298 x H 284 mm
  - Unit weight : 8.6 kg
  - Power Supply : AC 100-240 V 50/60 Hz
  - Power source input : 130 VA

# VIVAMATE G5

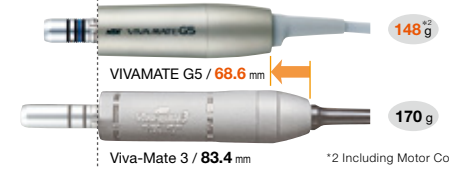


**Portable LED Micromotor;  
From Denture Adjustment to General Applications**

## Internal Spray LED Micromotor

The compact size micromotor has been specifically developed for mobile dentistry and weighs only 148 g (w/cord) and features internal spray and LED light. Although fully portable it performs like an in-surgery system meeting a wide range of clinical requirements and is compatible with your existing contra-angles and straight handpieces<sup>\*1</sup> helping you to manage the cost of a mobile dentistry set-up.

<sup>\*1</sup> Conformable to ISO 3964.



<sup>\*2</sup> Including Motor Cord

## Able to Use Both Rechargeable Battery and AC Adaptor for The Compact Control Unit

Able to operate with rechargeable batteries anywhere. When battery power level is low, just plug in AC adaptor into outlet; bring the unit to patient visits without worry. It is very easy to carry since the control unit is palm-size (W 72 x D 180 x H 36 mm) and weighs only 370 g.

### Foot Control (Optional)

Conveniently adjust the motor speed by depressing the pedal of the foot control without taking your eyes of the treatment.



### Carrying Case

Comes with a carrying case designed for storing VIVAMATE G5 unit and its attachments.



## VIVAMATE G5 Complete Set

MODEL	ORDER CODE
VIVAMATE G5 230V	Y1002801

### Contents

- Control unit
- Handpiece Stand
- Motor (Including Motor Cord)
- AC Adaptor
- AC Power Cord
- Carrying Case

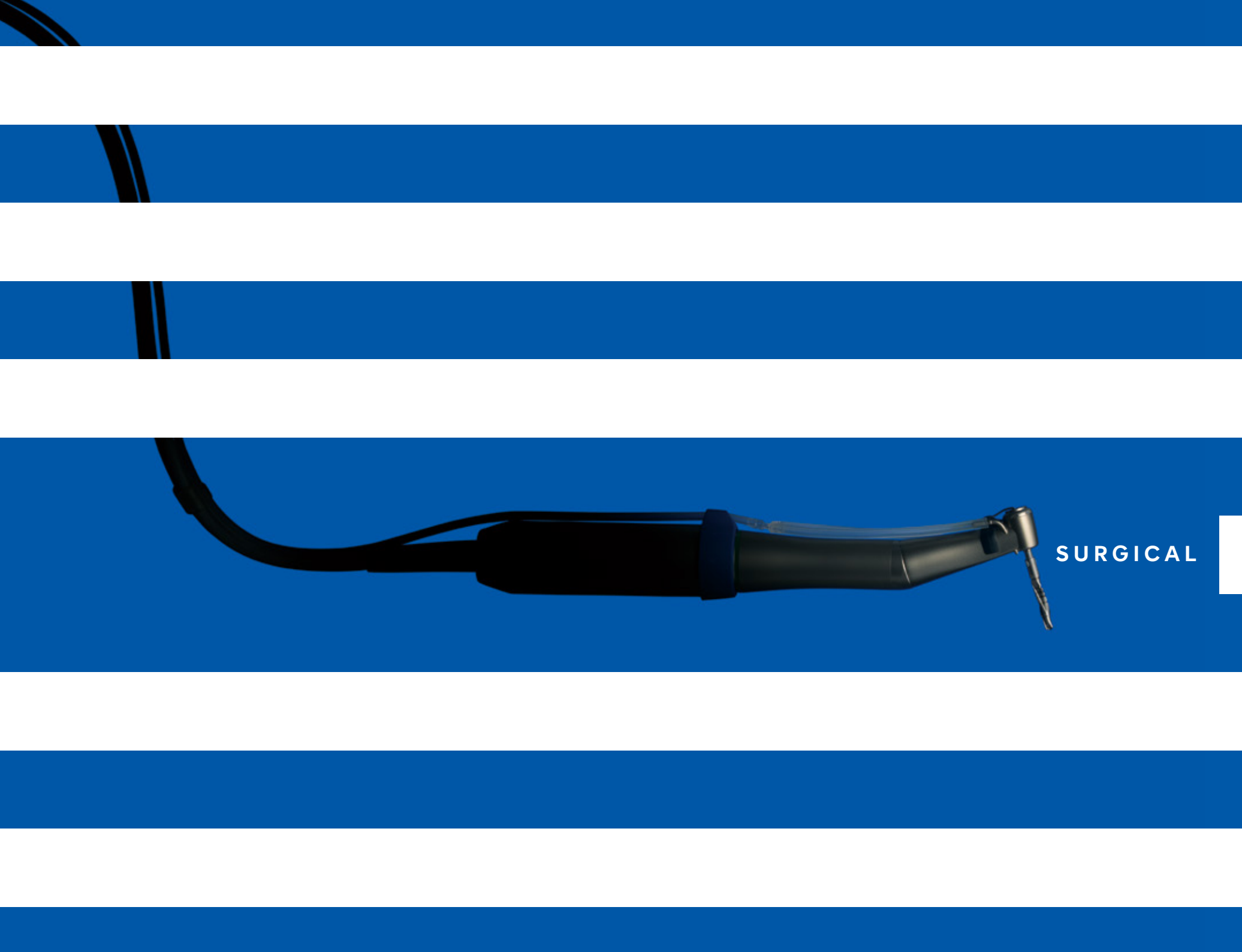
### Specifications

[Control Unit]

- Dimensions : W 72 x D 180 x H 36 mm
- Weight : 370 g
- Charge / Continuous use : 2 h / 1 h (depending on workload)

[Micromotor]

- Dimensions : ø22 x L 68.6 mm
- Weight : 148 g (Include Motor cord)
- Speed : 3,000-30,000 min<sup>-1</sup>
- Torque: 3 Ncm (30,000 min<sup>-1</sup> while rotating)



SURGICAL

# Surgic Pro2 × VarioSurg 3



## SYNERGY IN IMPLANTOLOGY

### Link 2 Systems

#### Surgic Pro2 and VarioSurg 3 Generating Synergies Through Link Function

The Link function allows operation between the Surgic Pro2 oral surgery and implant micromotor system and the VarioSurg 3 ultrasonic bone surgery system using a single foot control. A common interface controls each system, allowing synergy in diverse surgical procedures and greatly streamlining treatment. Each system is available separately and is easily linked as required, making the system expandable and very affordable.



#### Link Function Easily Connects Two Systems

The Link function is easy to set up. Just connect the Surgic Pro2 and VarioSurg 3 units with the link cable. The two systems can be installed together using the compact Link Stand.



#### Hands-free Program Adjustments Via Foot Control

The two systems can be operated using the single foot control which offers hands-free operation of functions such as ultrasonic wave ON/OFF, forward and reverse selection, coolant flow selection and program selection.



#### Large and Clear Display for Enhanced Safety

The user-friendly display clearly indicates which system is active and ensures safe and accurate operation.



With the NSK link stand the two units can be safely stacked to save space.

# Surgic Pro2



## GO BEYOND

The internationally acclaimed Surgic Pro surgical micromotor system has evolved into "Surgic Pro2". There are 3 progress points, in operation, safety and wireless extensibility. As well as further improving the basic performance of Surgic Pro, its supreme adaptability in connecting to various external devices offers improved safety, efficiency and operator comfort during treatment. Professionals depend on the reliability of their equipment on a daily basis. With Surgic Pro2 NSK have taken reliability to the next level.

### 3 Progress Points

- OPERABILITY
- SAFETY
- WIRELESS EXTENSIBILITY

### OPERABILITY

There are a range of upgrades to ensure even greater comfort during implant treatment. These specifications put the needs of professionals first.

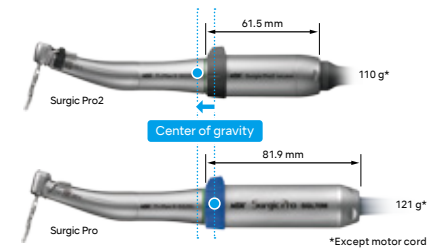


### Improved operability A more compact new motor.

Significant size and weight reductions were achieved for the motor with NSK's proprietary micro-motor technology. Operability during treatment has been greatly improved by moving the center of gravity closer to the head of the handpiece. This increases efficiency and alleviates the stress during prolonged operation for strain-free, effortless operation.

Length 24.9% DOWN

Weight 9.1% DOWN



**Superb visibility and operability  
Large color LCD panel**

Visibility is guaranteed with the large, back-lit, high-contrast, LCD panel. The display can be adjusted in 10 brightness levels. The display's intuitive and easy-to-understand icons allow for smooth operation.



**Easy-clean flat screen display**

The sensitivity of the touch panel can be adjusted to reliably respond when surgical gloves and surgical barrier sheets are in use. Ultra-narrow bezel of the display makes cleaning easier. The new design takes into account the latest treatment and cross-infection control requirements.

**Visibility is significantly improved  
with the high-resolution color LED.**

Use of high-resolution color LED allows blood and gums to be seen as if naturally lit, thereby providing increased visibility during treatment. The LED light source generates a minimal amount of heat and has excellent life expectancy.



**Silent and Smooth Irrigation Pump**

The irrigation pump provides consistent and steady flow operating quietly in the background. Irrigation tube set-up is simple and straight-forward and the pump fits seamlessly in the compact and elegant design of Surgic Pro2.



**SAFETY**

Synonymous with Surgic Pro safer procedures are made possible with increased torque precision combined with the "Osseointegration Monitoring Device, Osseo 100+".

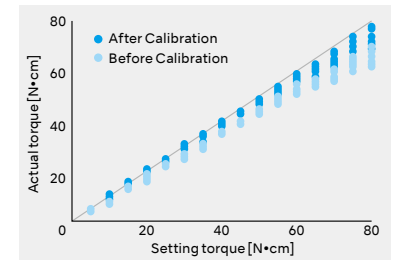


**NSK's Drive for Accuracy Ensure Safe Treatment  
through Accurate Torque Correction**

The displayed torque value accuracy is dependent on the state of handpiece bearings and gear abrasion. Surgic Pro2 torque calibration allows for this to be taken into account to display more accurate values.

NSK's 'Advanced Handpiece Calibration' (AHC) function corrects the differences in actual handpiece condition using automatic calibration with no load current and load-bearing calibration to achieve accurate torque values for successful implant surgery.

Minimizing the discrepancy between the set torque value and the actual output helps improve treatment outcomes.



**The Osseointegration Monitoring Device,  
Osseo 100+ for more predictable treatment**

Osseo 100+ measures implant stability and osseointegration to enhance decisions about when to load. Especially important when using protocols with shorter treatment time and treating risk patients. By connecting with the Surgic Pro2 it is possible to share and manage the measured ISQ value on external terminals.



Contactless ISQ value measurement. There is no additional impact on the implant or abutment.



## WIRELESS EXTENSIBILITY

Wireless connection with multiple devices significantly broadens the scope of implant treatment.



### Linked with Osseointegration Monitoring Device, Osseo 100+

The Osseointegration Monitoring Device, "Osseo 100+" measures the implant stability quotient contactlessly and can be connected using Bluetooth®, permitting ISQ confirmation over a shared interface. You can share and manage the data of those measured ISQ scores on other terminals through Surgic Pro2. Surgic Pro2 itself offers such high extensibility as like this ISQ function is already equipped inside. It only takes 3 easy steps to use the Osseo 100+.



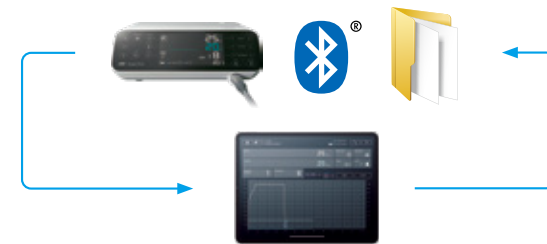
### Linked with the "VarioSurg 3" ultrasonic bone surgery system

Surgic Pro2 can easily be linked with the NSK ultrasonic surgical system VariosSurg 3 by adding our Bluetooth link module.



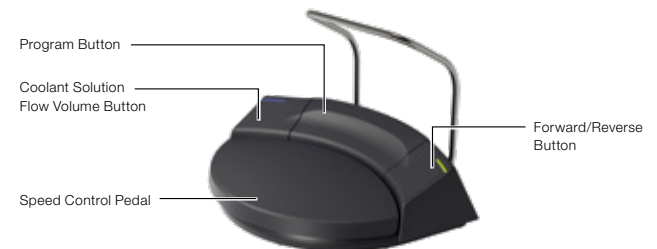
### Linked with iPads

Installing a dedicated application and connecting an iPad to the control unit enables real-time display of detailed procedural data, such as the rotation speed and the torque range. Procedural data can also be saved. Data can also be displayed and saved when connecting with Osseo 100+. Traceability data management of procedural details allows implant treatment to be tailored to individual patients.



### Linked with a wireless foot control

Bluetooth connectivity allows selection of the optimal position without worrying about cable length. The foot controller is 400g lighter than the previous model (hanger included) making it easy to reposition. You can keep your focus on the treatment. The "Coolant Solution Flow Volume Button", "Program Button" and "Forward/Reverse Button" may be customized using the 3 installed buttons allowing the operator to choose their preferred mode of operation. The energy-efficient power supply uses 3 AAA batteries, which last about 6 months. A flashing light indicates when the batteries are running low.



# Surgic Pro2



## Complete Set with X-SG20ML

Optic	MODEL	ORDER CODE
●	<b>Surgic Pro2 OPT</b>	<b>Y1500511</b>

### Contents

- Control Unit • SGL80M Optic Micromotor
- X-SG20ML Optic Handpiece (20:1 Reduction)
- FOOT CONTROL WIRELESS
- Irrigation tube (Pack of 3) and other accessories

### Specifications

[Control Unit with AHC]

- Power Supply : AC 100-240V 50/60 Hz
- Max. Pump Output : 75 mL/min
- Programs : 8 Programs / Implant Systems
- Dimensions : W 245 x D 235 x H 90 mm
- Weight : 2.1 kg

[Micromotor]

- Torque : 5-80 Ncm
- Motor Speed : 200-40,000 min<sup>-1</sup>
- Light Power : over 32,000 LUX (Optic Micromotor)
- Weight : 0.2 kg (with motor cord)

[FOOT CONTROL WIRELESS]

- Foot Control Functions :  
Coolant Solution Flow Volume Button,  
PRG(Program) Button,  
Forward/Reverse Button, Speed Control Pedal
- Dimensions : W 260 x D 185 x H 65 mm
- Weight : 1.1 kg (with hanger)
- Electric Power Source :  
Three AAA/Micro/LR03, 1.5V alkaline batteries

## Complete Set with SG20M

Optic	MODEL	ORDER CODE
—	<b>Surgic Pro2 NON-OPT</b>	<b>Y1500512</b>

### Contents

- Control Unit • SG80M Non-Optic Micromotor
- SG20M Handpiece (20:1 Reduction)
- FOOT CONTROL WIRELESS
- Irrigation tube (Pack of 3) and other accessories

## OPTION

### Wireless Link Tools (Surgic Pro2 x VarioSurg 3)

Connecting via the compact Wireless Link Set allows for operation of 2 surgical systems with a single wireless foot control.



MODEL	ORDER CODE
<b>Link Module</b>	<b>Z1402001</b>

- Link Box • Link Cable



MODEL	ORDER CODE
<b>Link Stand2</b>	<b>Z1452001</b>

### Sterilization Cassette

The sterilization Cassette is designed for the safe processing and storage of Surgic Pro2 components.



MODEL	ORDER CODE
<b>SG-CASE</b>	<b>Z313101</b>

- Dimensions : W 279 x D 183 x H 34 mm

### Carrying Case

Carrying case for components and accessories of Surgic Pro2



MODEL	ORDER CODE
<b>Carrying Case</b>	<b>Y1004219</b>

- Dimensions : W 534 x D 427 x H 207 mm

### Osseo 100+

(implant Stability Measurement System)

The implant stability level can be set, facilitating safer implant treatment.

Manufacturer  
Integration Diagnostics  
Sweden AB



MODEL	ORDER CODE
<b>Osseo 100+</b>	<b>Y1004176</b>

### iCart Duo

The Surgic Pro2 and VarioSurg 3 surgical systems and their accessories are efficiently and functionally housed in specialist carts.



MODEL	ORDER CODE
<b>iCart Duo</b>	<b>S9090</b>

- Dimensions : H 101.65 cm • Weight : 16.5 kg

# Surgic Pro+

# ×

# VarioSurg 3



## SYNERGY IN IMPLANTOLOGY

Two linked surgical systems that use a single foot control.  
A brand new approach to implant and surgical treatment.

## LINK 2 SYSTEMS

### Surgic Pro and VarioSurg 3 Generating Synergies Through Link Function

The Link function allows operation between the Surgic Pro oral surgery and implant micromotor system and the VarioSurg 3 ultrasonic bone surgery system using a single foot control. A common interface controls each system, allowing synergy in diverse surgical procedures and greatly streamlining treatment. Each system is available separately and is easily linked as required, making the system expandable and very affordable.



#### Link Function Easily Connects Two Systems

The Link function is easy to set up. Just connect the Surgic Pro and VarioSurg 3 units with the link cable. The two systems can be installed together using the compact Link Stand.



#### Hands-free Program Adjustments Via Foot Control

The two systems can be operated using the single foot control which offers hands-free operation of functions such as ultrasonic wave ON/OFF, forward and reverse selection, coolant flow selection and program selection.



#### Large and Clear Display for Enhanced Safety

The user-friendly display clearly indicates which system is active and ensures safe and accurate operation.



# Surgic Pro+

## The Professional Choice

NSK offers advanced technology to greatly enhance clinical performance. Surgic Pro is compact, lightweight and powerful to reliably deliver everything that professionals demand.

## Calibration

NSK's Drive for Accuracy Ensures Safe Treatment Through Accurate Torque Correction

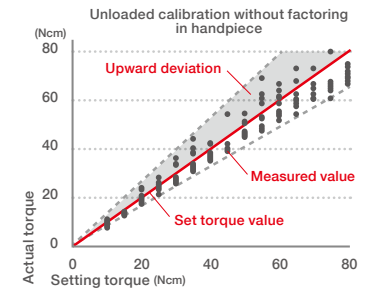
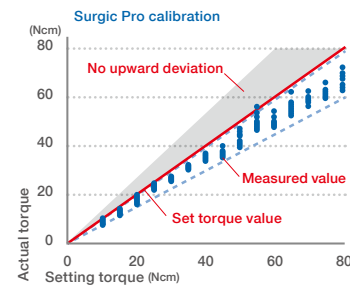
## Maintaining Accurate Torque with AHC

NSK's proprietary Advanced Handpiece Calibration (AHC) ensures the correct torque value required for specific treatments. There is normally a small misalignment between pre-set and actual torque values owing to friction between bearings and contra-angle gear. AHC corrects this misalignment to guarantee accurate torque values.

## High-precision Calibration

Unloaded, loaded and speed level adjustments improve the precision of calibration, which can be according to handpiece usage.

## NSK's Safe Calibration Approach Factors in Handpiece Usage Conditions



### An Advanced Surgical Motor for Demanding Clinical Environments

NSK developed the Surgic Pro SGL70M by analyzing feedback from clinicians to ensure that this 5th generation surgical micromotor satisfies professional requirements. The light and compact Surgic Pro SGL70M features an LED light for high visibility, with up to 80 Ncm of torque for diverse surgical procedures, paving the way for an advanced treatment environment.



### Well-balanced, with a Compact and Lightweight Micromotor

Streamlining efforts reduced the size by 16.2 mm and the weight by 42 g to improve balance during use the Surgic Pro motor, greatly reducing any strain on clinicians.

### LED Optics for Safer, More Accurate Treatment

NSK LEDs generate natural daylight-quality light to illuminate the treatment area, enabling more precise surgery and shortened operation times. The lights increase safety because they do not overheat and are long-lasting.



Optic	MODEL	ORDER CODE
●	<b>SGL70M</b>	<b>E1023</b>
—	<b>SG70M</b>	<b>E1025</b>

- Solid titanium body
- with Cord 2 m

### Compact Body and Large LCD Display

The compact control unit features a sophisticated design including a large, high visibility backlight LCD panel and intuitive control buttons to contribute a safer and user friendly working environment.

### Advanced Irrigation Pump

The pump allows easy set-up of irrigation tubes and is extremely quiet during operation.



### Memorises Eight Different Implant Systems

The Surgic Pro memorises eight different implant systems and a total of 64 programs. The programmable parameters are gear ratio, speed, rotation direction, torque limit, coolant solution volume and illumination intensity. This is extremely useful when using two or more implant brands. Once you complete programming, simply push a button to call procedures up.

### Data Log Function

The Surgic Pro's data log function can record and store speed, torque values, and other patient treatment data. Such efficient data management helps ensure safe clinical practices.

\*Maximum internal memory capacity is 100 minutes

### Data Management

Treatment data can be easily accessed and downloaded using a USB stick. Files can be transferred and added to patient records.

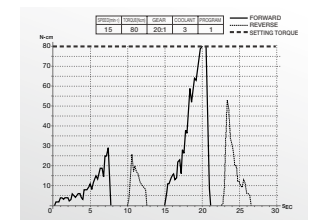
\*USB memory stick not included.



### Easy Treatment Data Handling

No specific software is required to display CSV or bitmap files.

\*File formats : csv or bmp



# Surgic Pro+



## Surgic Pro+ Complete Set with X-DSG20L

Optic	MODEL	ORDER CODE
●	<b>Surgic Pro+ OPT-D</b>	<b>Y1002096</b>

### Contents

- Control Unit with data storage facility
- SGL70M LED Micromotor • FC-78 Foot Control
- X-DSG20L Optic Handpiece (20:1 Reduction)
- Irrigation tube (5 pcs.) and other accessories

## Surgic Pro Complete Set with X-SG20L

Optic	MODEL	ORDER CODE
●	<b>Surgic Pro OPT</b>	<b>Y1001933</b>

### Contents

- Control Unit without data storage facility
- SGL70M LED Micromotor • FC-78 Foot Control
- X-SG20L Optic Handpiece (20:1 Reduction)
- Irrigation tube (5 pcs.) and other accessories

## Surgic Pro Complete Set with SG20

Optic	MODEL	ORDER CODE
—	<b>Surgic Pro NON-OPT</b>	<b>Y1001934</b>

### Contents

- Control Unit without data storage facility
- SG70M Non-Optic Micromotor • FC-78 Foot Control
- SG20 Handpiece (20:1 Reduction)
- Irrigation tube (5 pcs.) and other accessories

### Specifications

[Control Unit with AHC]

- Power Supply : AC 230 V 50/60 Hz
- Max. Pump Output : 75 mL/min
- Programs : 8 Programs / Implant Systems
- Dimensions : W 265 x D 220 x H 100 mm
- USB I/F : 1 Port (Surgic Pro+ Only)
- Built in Memory : 100 min (Surgic Pro+ Only)

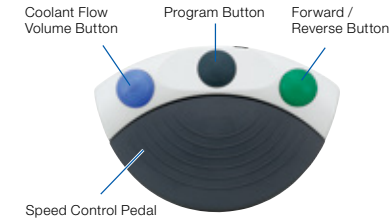
[Micromotor]

- Torque : 5-80 Ncm
- Motor Speed : 200-40,000 min<sup>-1</sup>
- Light Power (LED Micromotor) : over 32,000 LUX

[Foot Control]

- Foot Control Functions : Program Button, Speed Control Pedal, Coolant Flow Volume Button, Forward / Reverse Button

## Foot Control



MODEL	ORDER CODE
<b>FC-78</b>	<b>Z1102001</b>

- With 2 m cord

## Sterilization Cassette

The sterilization Cassette is designed for the safe processing and storage of Surgic Pro components.

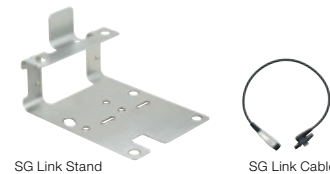


MODEL	ORDER CODE
<b>SG-CASE</b>	<b>Z313101</b>

- Dimensions : W 279 x D 183x H 34 mm

## SG Link Set (Optional)

[Surgic Pro x VarioSurg 3]



MODEL	ORDER CODE
<b>VarioSurg3 Link set (E)</b>	<b>Y1002729</b>

- SG Link Stand • SG Link Cable

## Handle Set (Optional)

Easy to attach foot control handle. Hanger can easily be moved with the foot control.



MODEL	ORDER CODE
<b>Handle Set</b>	<b>Z1027001</b>

## Carrying Case (Optional)

Carrying case for components and accessories of Surgic Pro



MODEL	ORDER CODE
<b>Carrying Case (Surgic Pro)</b>	<b>Y1001952</b>

- Dimensions : W 534 x D 427 x H 207 mm

## iCart Duo (Optional)

Install the control unit and accessories on the cart.



MODEL	ORDER CODE
<b>iCart Duo</b>	<b>S9090</b>

- Dimensions : H 101.65 cm • Weight : 16.5 kg

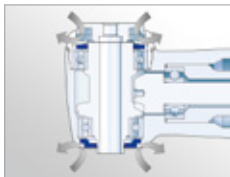
# Implant Handpieces

Dismantlable Contra-angle Handling up to 80 Ncm of Torque



### Easy to Disassemble and Clean

The DSG20 contra-angle can be disassembled with a simple twist for easy internal cleaning. NSK's unique locking mechanism prevents accidental disassembly during operation.



### Double Sealing System

NSK's unique double sealing system prevents blood and other contaminants from entering the instrument head to ensure longevity of the instruments.

### Ti-Max X-DSG20L Dismantling Surgical Handpiece



- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min<sup>-1</sup>



	Optic	MODEL	ORDER CODE
<b>20:1 Reduction</b>	●	<b>X-DSG20L</b>	<b>C1068</b>
	—	<b>X-DSG20</b>	<b>C1067</b>

• This handpiece is used only for the NSK Surgical Unit with torque calibration. (eg. Surgic Pro series)

### Ti-Max X-DSG20Lh Dismantling Surgical Handpiece Hexagon Chucking System



**Hexagon Chucking System**  
Hexagon chucking system maintains high bur holding power at a high torque, enabling safe and stable operation. Can be used with regular burs as well.

- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min<sup>-1</sup>

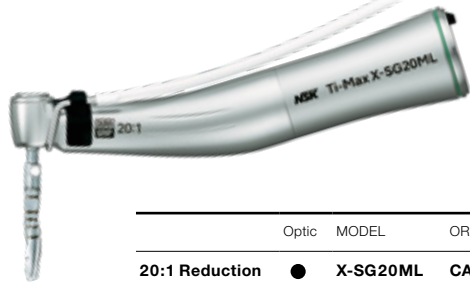


	Optic	MODEL	ORDER CODE
<b>20:1 Reduction</b>	●	<b>X-DSG20Lh</b>	<b>C1076</b>
	—	<b>X-DSG20h</b>	<b>C1075</b>

• This handpiece is used only for the NSK Surgical Unit with torque calibration. (eg. Surgic Pro series)

# Implant Handpieces

## Ti-Max X-SG20ML



- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min<sup>-1</sup>

\* Internal Spray Nozzle is sold separately

	Optic	MODEL	ORDER CODE
<b>20:1 Reduction</b>	●	<b>X-SG20ML</b>	<b>CA13030001</b>

• This handpiece is used only for the NSK Surgical Unit with torque calibration. (eg. Surgic Pro series)

## Ti-Max X-SG20L

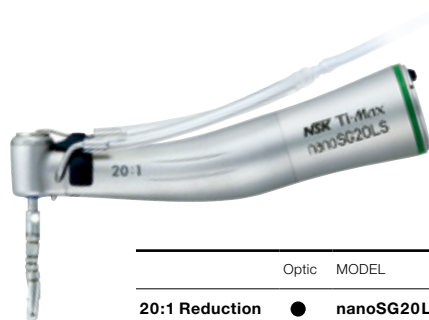


- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min<sup>-1</sup>

	Optic	MODEL	ORDER CODE
<b>20:1 Reduction</b>	●	<b>X-SG20L</b>	<b>C1003</b>

• This handpiece is used only for the NSK Surgical Unit with torque calibration. (eg. Surgic Pro series)

## Ti-Max nano SG20LS



- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min<sup>-1</sup>

	Optic	MODEL	ORDER CODE
<b>20:1 Reduction</b>	●	<b>nanoSG20LS</b>	<b>C1103</b>

nano Series instruments are compatible with SGL70M micromotor and other motors with insert less than 23 mm.

## S-Max SG20M



- Stainless Steel Body
  - Push Button Chuck
  - External and internal cooling
  - Double Sealing System
  - Max. Torque : 80 Ncm
  - Max. Speed : 2,000 min<sup>-1</sup>
- \* Internal Spray Nozzle is sold separately

	Optic	MODEL	ORDER CODE
<b>20:1 Reduction</b>	—	<b>SG20M</b>	<b>CA13020001</b>

• This handpiece is used only for the NSK Surgical Unit with torque calibration. (eg. Surgic Pro series)

## S-Max SG20



- Stainless Steel Body
- Push Button Chuck
- External and internal cooling
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min<sup>-1</sup>

	Optic	MODEL	ORDER CODE
<b>20:1 Reduction</b>	—	<b>SG20</b>	<b>C1010</b>

• This handpiece is used only for the NSK Surgical Unit with torque calibration. (eg. Surgic Pro series)

## SGX-E20R



- Stainless Steel Body
- Twist Chuck • Angle Handpiece
- External cooling
- For Osteotomy preparation / insertion of Zygoma implants for Maxillofacial / oral surgery
- Max. Torque : 50 Ncm
- Max. Speed : 2,000 min<sup>-1</sup>

	Optic	MODEL	ORDER CODE
<b>20:1 Reduction</b>	—	<b>SGX-E20R</b>	<b>HA1200</b>



# Implant Handpieces

## Ti-Max X-SG93L



Triple Spray



- Titanium Body with Scratch Resistant DURACOAT
- For FG burs (ø1.6)
- Cellular Glass Optics (X-SG93L)
- Clean Head System
- Push Button Chuck
- External cooling
- Max. Speed : 120,000 min<sup>-1</sup>

	Optic	MODEL	ORDER CODE
<b>1:3 Increasing</b>	●	<b>X-SG93L</b>	<b>C1004</b>
	—	<b>X-SG93</b>	<b>C1007</b>

## Ti-Max X-SG65L Straight Handpiece



- Titanium Body with Scratch Resistant DURACOAT
- For HP burs (ø2.35)
- Cellular Glass Optics (X-SG65L)
- Clean Head System
- External cooling
- Max. Speed : 40,000 min<sup>-1</sup>

	Optic	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	●	<b>X-SG65L</b>	<b>H1009</b>
	—	<b>X-SG65</b>	<b>H1038</b>

## Ti-Max X-SG25L



- Titanium Body with Scratch Resistant DURACOAT
- For CA burs (ø2.35)
- Cellular Glass Optics
- Clean Head System
- Push Button Chuck
- External cooling
- Max. Speed : 40,000 min<sup>-1</sup>

	Optic	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	●	<b>X-SG25L</b>	<b>C1011</b>

## Ti-Max Z-SG45L



Triple Spray



- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics (Z-SG45L)
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- External cooling
- For FG burs (ø1.6 / 20-25 mm)
- Anti Heat System
- Max. Speed : 120,000 min<sup>-1</sup>

	Optic	MODEL	ORDER CODE
<b>1:3 Increasing</b>	●	<b>Z-SG45L</b>	<b>C1107</b>
	—	<b>Z-SG45</b>	<b>C1108</b>

# Micro Surgery Handpieces

## Straight Handpieces



- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 40,000 min<sup>-1</sup>



	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	<b>SGS-ES</b>	<b>H264</b>



- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 80,000 min<sup>-1</sup>

	MODEL	ORDER CODE
<b>1:2 Increasing</b>	<b>SGS-E2S</b>	<b>H266</b>

## 20° Angle Handpieces

- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 40,000 min<sup>-1</sup>



	MODEL	ORDER CODE
<b>1:1 Direct Drive</b>	<b>SGA-ES</b>	<b>H263</b>



- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 80,000 min<sup>-1</sup>

	MODEL	ORDER CODE
<b>1:2 Increasing</b>	<b>SGA-E2S</b>	<b>H265</b>

# Micro Saw Handpieces



- 1.8 mm Reciprocating
- With External Spray Nozzle



	MODEL	ORDER CODE
<b>3.2:1 Reduction</b>	<b>SGR2-E</b>	<b>SH162</b>



- 17° Oscillating
- With External Spray Nozzle



	MODEL	ORDER CODE
<b>3.5:1 Reduction</b>	<b>SGO2-E</b>	<b>SH164</b>






- 3° Sagittal
- With External Spray Nozzle




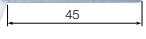



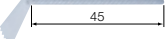

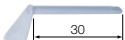

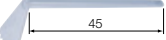


	MODEL	ORDER CODE
<b>3.2:1 Reduction</b>	<b>SGT2-E</b>	<b>SH163</b>

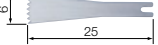

## SGR2-E Blades for Reciprocating

MODEL			ORDER CODE
<b>SGR-1</b>		<ul style="list-style-type: none"> <li>• Blade thickness 0.35 mm</li> <li>• Pack of 10 blades</li> </ul>	<b>Y900072</b>
<b>SGR-2</b>		<ul style="list-style-type: none"> <li>• Blade thickness 0.35 mm</li> <li>• Pack of 10 blades</li> </ul>	<b>Y900073</b>
<b>SGR-3</b>		<ul style="list-style-type: none"> <li>• Blade thickness 0.35 mm</li> <li>• Pack of 10 blades</li> </ul>	<b>Y900074</b>

## SGO2-E Blades for Oscillating

MODEL			ORDER CODE	
<b>SGO-1</b>			<ul style="list-style-type: none"> <li>• Blade thickness 0.3 mm</li> <li>• Single blade</li> </ul>	<b>H174034</b>
<b>SGO-2</b>			<ul style="list-style-type: none"> <li>• Blade thickness 0.3 mm</li> <li>• Single blade</li> </ul>	<b>H174044</b>
<b>SGO-3</b>			<ul style="list-style-type: none"> <li>• Blade thickness 0.3 mm</li> <li>• Single blade</li> </ul>	<b>H174031</b>
<b>SGO-4</b>			<ul style="list-style-type: none"> <li>• Blade thickness 0.3 mm</li> <li>• Single blade</li> </ul>	<b>H174041</b>
<b>SGO-5</b>			<ul style="list-style-type: none"> <li>• Blade thickness 0.35 mm</li> <li>• Single blade</li> </ul>	<b>H174032</b>
<b>SGO-6</b>			<ul style="list-style-type: none"> <li>• Blade thickness 0.35 mm</li> <li>• Single blade</li> </ul>	<b>H174042</b>

## SGT2-E Blades for Sagittal

MODEL			ORDER CODE
<b>SGT-1</b>		<ul style="list-style-type: none"> <li>• Blade thickness 0.35 mm</li> <li>• Pack of 10 blades</li> </ul>	<b>Y900075</b>
<b>SGT-2</b>		<ul style="list-style-type: none"> <li>• Blade thickness 0.35 mm</li> <li>• Pack of 10 blades</li> </ul>	<b>Y900076</b>

# Osseo 100+



## Removes Doubt

Osseo 100 measures implant stability and osseointegration to support decision on when to load an implant. Especially important when working with shorter treatment time or managing risk patients.

The uncomplicated procedure that measures ISQ allows the implant loading period to be planned in advance. The reconstruction of crowns and bridges can be monitored to optimize timing to decrease the risk for failures. Measurements can be made without unnecessary impact since the equipment does not come into physical contact with the implant or abutment.

## Wireless connection with Surgic Pro2

### Osseo 100+

#### Connectivity with Surgic Pro2

The ISQ value is transferred automatically when connected with Surgic Pro2. The Bluetooth® connection means that clinical procedures will be undisturbed.

#### Wireless data management

The measured ISQ can be shared and processed with data on external terminals via Surgic Pro2.



## Stand-alone

### Osseo 100

By mounting a Multipeg™ the measurement is made in a second. A numerical result appears on an LED screen and that indicates how well the implant has integrated.



### 3-step procedure

1. The MultiPeg™ is attached to the implant. It screws effortlessly into the implant's internal threads. (approximately 6-8 Ncm of torque).
2. Just aim for the magnet on top of the MultiPeg™. Non-invasive, objective, accurate and repeatable. The peg is excited by magnetic pulses and vibrates due to the stiffness in the contact area between the bone and the implant surface.
3. An ISQ value is generated and shown on the display. This reflects the level of stability on the universal ISQ scale – from 1 to 99. The higher the ISQ value, the more stable the implant.



### About ISQ

\*The below is not a clinical recommendation from NSK.

Decreasing micro mobility with increasing ISQ values. By taking a baseline value at implant placement and another before loading, the degree of osseointegration can be measured.



1. Sennerby L Prof., Implantologie 2013; 21(1): 21-23
2. Kokovic V, Jung R, Feloutzis A, Todovic V, Jurisic M, Hämmerle C. Clinical Oral Implants Research, 00, 2013, 1-6
3. M Bornstein, C Hart, S Halbritter, D Morton, D Buser, Prof. Dr. med. dent. Clin Implant Dent Relat Res 2009
4. Serge Baltayan, Joan Pi-Anfruns, Tara Aghaloo, Peter Moy. J Oral Maxillofac Surg 74:1145-1152, 2016
5. P O Östman, Private practitioner, Falun- and Biomaterial Group, Sahlgrenska Academy Gothenburg. Clinical Implant Dentistry and Related Research, Volume 7, Supplement 1, 2015
6. Daniel Rodrigo, Luis Aracil, Conchita Martín, Mariano Sanz. Clin. Oral Impl. Res. 21, 2010; 255-261
7. Pagliani L, Sennerby L, Petersson A, Verrocchi D, Volpe S & Andersson P. Journal of Oral Rehabilitation 2012
8. P Trisi PhD, T Carlesi DDS, M Colagiovanni DDS, G Perfetti MD, DDS. Journal of Osteology and Biomaterials, Volume 1, Number 3, 2010
9. S Hicklin, E Schneebeli, V Chappuis, S Francesco, M Janner, D Buser, U Brägger. Clin. Oral Impl. Res. 00, 2015; 1-9
10. L. Milillo, C. Fiandaca, F. Giannoulis, L. Ottria, A. Lucchese, F. Silvestre, M. Petruzzi. Oral & Implantology - anno IX - n. 3/2016

### REUTILIZABLE MultiPeg™

- For all major implant systems\*
- Tissue friendly, durable titanium
- Autoclavable appx. 20 times
- Optimal platform fit
- ISQ Standard Calibrated



\*There are different MultiPegs™ available made to fit different implant system and types. Please refer to the updated list from the supplier.

### Wireless connection with Surgic Pro2 Osseo 100+

- Contents**
- Osseo 100+ Instrument • MultiPeg Driver
  - Mains adapter and plugs
- MultiPeg™ is not included, sold separately.



### Stand-alone Osseo 100

- Contents**
- Osseo 100 Instrument • MultiPeg Driver
  - Mains adapter and plugs
- MultiPeg™ is not included, sold separately.

### Specifications

- Power input : 5VDC, 1 VA
  - Charger input : 100-240 VAC, 5 VA
  - Instrument weight : 78 g
  - Battery full charge time : appx. 3 hours.\*
  - Battery continuous drive time : appx. 1 hour.\*
- \*Varies depending on usage situations.

MODEL	ORDER CODE
<b>Osseo 100+</b>	<b>Y1004176</b>
<b>Osseo 100</b>	<b>Y1004175</b>

# iSD900



### Advantages

- Universal to major implant systems
- Reliable and durable contra-angle handpiece with excellent accessibility
- Audible beeping noise to indicate reverse rotation
- Standard battery (AAA Ni-MH) is easily replaced on site
- LCD control panel offering outstanding visibility and operability

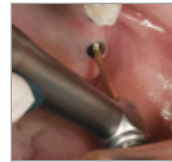
### Faster and Safer Implant Treatments

NSK's iSD900 cordless screwdriver helps to safely place and remove cover screws, healing caps and abutments during dental implant procedures, making treatment up to 50% faster.



#### Faster Treatment

NSK's iSD900 cordless screwdriver safely inserts and removes cover screws, healing caps and abutments during implant procedures, making treatment up to 50% faster.



#### Accommodating Diverse Operative Fields

It can be difficult to maintain good visibility of the operating field when retracting the buccal mucosa when using a conventional ratchet wrench with both hands. The iSD900 allows single-handed operations to ensure better visibility across the whole operating field.



#### Torque Calibration System to Guarantee Safety

The unique torque calibration system (TCS) of the iSD900 ensures accurate torque values at all times.



#### Torque Range Accommodating Diverse Procedures and Three Rotation Speeds

NSK's iSD900 has a torque range of 10 Ncm to 40 Ncm to ensure precise torque adjustments and settings in 1 Ncm or 5 Ncm increments according to procedures. The iSD900 offers 15 min<sup>-1</sup>, 20 min<sup>-1</sup>, and 25 min<sup>-1</sup> speeds according to procedure requirements.

\*these may change according to the usage environment.



### iSD900 Complete Set

MODEL	ORDER CODE
<b>iSD900</b>	<b>Y1001358</b>

#### Contents

- iSD900 Motor • iSD-HP • Quick Charger for iSD900
- Torque Calibrator • On/Off Switch Lever

#### Specifications

- Torque: 10 – 40 Ncm in 1 or 5 Ncm increments
- Speed: 15, 20, 25 min<sup>-1</sup>
- Weight: 148 g (iSD900 Motor + iSD-HP)
- Charging Time : Around 90 min\*
- Continuous Operation Time : Max 72 min\*

# VarioSurg 3



## TRINITY

### Out Standing Ultrasonic Performance

Wattage is not the only factor determining cutting efficiency and performance in ultrasonic surgery. What is important is the power factor between three elements: control unit frequency, handpiece vibration characteristics and tip design for handling high power and cutting efficiency. The VarioSurg 3 effortlessly balances these three elements for the ultimate in ultrasonic performance.



### Stabilizing the Power Balance for More Efficient Procedures

The VarioSurg 3 offers a 50% increase in power in SURG mode compared to previous models, for more effective procedures and shorter treatment times. (Select tips according to clinical and power requirements)

\*For more than 100% power, you must use the relevant tips.

VarioSurg



150% High Power!

VarioSurg 3



### Stable Cutting Through Feedback and Auto-tuning Functions

#### Feedback function

This function constantly checks the performance parameters of the ultrasonic unit during operation. It simultaneously controls power output to optimize the level of power depending on the procedure.

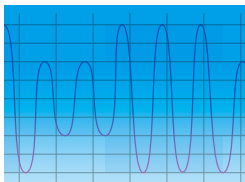
#### Auto-Tuning function

The oscillating frequency is automatically controlled to ensure the set output values are always accurately delivered at the tip to maintain ideal vibration.

## Control Unit

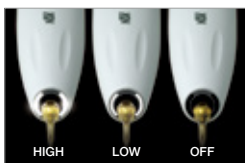
### Compact Body and Large LCD Panel

The compact control unit features a sophisticated design including a large, high visibility backlight LCD panel and intuitive control buttons to contribute to a safe and user-friendly working environment.



### Advanced BURST Mode

Switching from SURG mode to BURST mode during procedures creates a hammer drill effect capable of cutting through the hardest of tissues. Select from one of three BURST mode levels according to the procedure or density or hardness of the bone.



### Illumination Intensity Adjustable LED Light

LED handpiece illumination can be adjusted at the push of a button, with a choice of three intensity levels to suit the procedure.



### Three Modes

There is a choice of P (PERIO), E (ENDO) and S (SURG) modes to cover a wide range of applications, from bone cutting to post-surgical maintenance.

### Adjustable Irrigation Flow Rate

You can choose from five coolant flow levels with a maximum output of up to 75 mL per minute, to suit operating requirements and tips. Effective irrigation protects bone cells by controlling tip heat.

### Memory Functions for Treatment Procedures and Program Setting

Specific treatment parameters can be stored using the unit's memory function, and are easily accessed using the program button.

## Handpiece

### Super-slim Ergonomic Handpieces

NSK's super-slim LED handpiece offers superior access and outstanding visibility. Excellent balance and ergonomic design facilitate the most accurate procedures and minimise hand and finger fatigue, especially during long procedures.

### Effective Power Transmission with Minimal Heat Generation

By using innovative materials, the VarioSurg 3 handpiece delivers appropriate power from the generator to the tip without loss while minimising heat generation.

### LED Illumination for More Precise Treatments

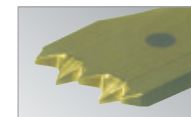
NSK LEDs generate natural daylight-quality light to perfectly illuminate the treatment area, enabling more precise treatments and shortening treatment times. LEDs are safe and do not overheat, even during extended use, and are economical due to their long life. Proprietary twin LED lights eliminate shadows in the treatment area, allowing excellent visibility.



Optic	MODEL	ORDER CODE
●	<b>VS3-LED-HPSC</b>	<b>E1133</b>

• with 2 m cord

The tips are designed to preserve tissue, maintain cutting speed and easily cut into bone. Saw like teeth on an uneven blade edge enhances bone cutting. This also reduces clogging to maintain cutting speed.





# VarioSurg 3



## VarioSurg 3 Complete Set

Optic	MODEL	ORDER CODE
●	<b>VarioSurg 3</b>	<b>Y1002726</b>

### Contents

- Control Unit • LED Handpiece with 2 m cord
- FC-78 Foot Control • Sterilization Cassette
- Handpiece Stand
- Irrigation tube (5 pcs.) and other accessories
- Basic H-S Kit (H-SG1, SG3, SG5, SG6D, SG7D, SG11 and Tip holder)

### Specifications

#### Control Unit

- Frequency : 28-32 kHz
- Power Supply : AC 230 V 50/60 Hz
- Irrigation Flow Rate : 10-75 mL/min

- Programs : SURG x 5, ENDO x 2, PERIO x 2
- Dimensions : W 265 x D 220 x H 103 mm

## VarioSurg 3 Complete Set without Foot Control

Optic	MODEL	ORDER CODE
●	<b>VarioSurg 3 Non FT</b>	<b>Y1002248</b>

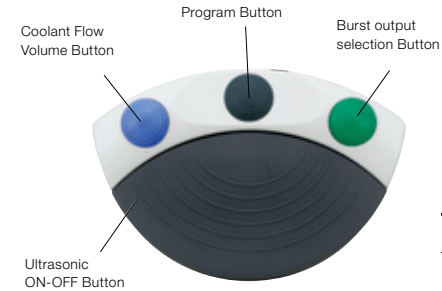
### Contents

- Control Unit • LED Handpiece with 2 m cord
- Sterilization Cassette • Handpiece Stand
- Irrigation tube (5 pcs.) and other accessories
- Basic H-S Kit (H-SG1, SG3, SG5, SG6D, SG7D, SG11 and Tip holder)

## Foot Control

### Hands-Free Program Adjustments Via Foot Control

The VarioSurg 3 foot control conforms with the IPX8 standard for medical foot control systems. All functions are clearly marked and allow accurate and hands-free operation of the unit within the pre-set parameters. Using the metal bar the foot control can easily be re-positioned at any time.



MODEL	ORDER CODE
<b>FC-78</b>	<b>Z1102003</b>

- With 2 m cord

## Sterilization Cassette

The Sterilization Cassette is designed for the safe processing and storage of VarioSurg 3 components.



MODEL	ORDER CODE
<b>VA-SG-CASE</b>	<b>Z313102</b>

- Dimensions : W 281 x D 171.5 x H 47 mm
- Has dedicated compartments for handpiece, cord, tip replacement wrench and tip holders



## Carrying Case (Optional)

The Carrying Case neatly stores all VarioSurg 3 components.



MODEL	ORDER CODE
<b>Carrying Case(VarioSurg 3)</b>	<b>Y1002768</b>

- Dimensions : W 534 x D 427 x H 207 mm

# Ultrasonic Surgery Tips

Choose from over 50 ultrasonic tips according to the clinical procedure.

## Bone Surgery



## Extraction



## Scraper



## Socket Lift (Crestal Approach)



## Sinus Lift



## Implant Preparation



## Sinus Membrane Detachment



## Perio (Root Planing)



## Scaling



## Endodontics



## Maintenance (V-Tip)

Perio-Control



## Bone Surgery (TIN coating)



POWER LEVEL	MODEL	ORDER CODE
-------------	-------	------------

—	<b>SG1</b>	<b>Z305101</b>
---	------------	----------------

<b>SURG 150%</b>	<b>H-SG1</b>	<b>Z305151</b>
------------------	--------------	----------------

- Dots mark 3, 6 and 9 mm from top of tip
- Five teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
-------------	-------	------------

—	<b>SG1A</b>	<b>Z305138</b>
---	-------------	----------------

- Dots mark 3, 6, 9, 12 and 15 mm from top of tip
- Five teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
-------------	-------	------------

—	<b>SG2R</b>	<b>Z305102</b>
---	-------------	----------------

- Right curved tip\*
- Three teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
-------------	-------	------------

—	<b>SG2L</b>	<b>Z305103</b>
---	-------------	----------------

- Left curved tip\*
- Three teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
-------------	-------	------------

—	<b>SG8</b>	<b>Z305109</b>
---	------------	----------------

<b>SURG 150%</b>	<b>H-SG8</b>	<b>Z305155</b>
------------------	--------------	----------------

- Dots mark 3, 6 and 9 mm from top of tip
- Three teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
-------------	-------	------------

—	<b>SG8A</b>	<b>Z305139</b>
---	-------------	----------------

- Dots mark 3, 6, 9, 12 and 15 mm from top of tip
- Three teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
-------------	-------	------------

<b>SURG 150%</b>	<b>H-SG8R</b>	<b>Z305156</b>
------------------	---------------	----------------

- Marking every 2 and 4 mm from top of tip (Single side)
- Right curved tip\* • Three teeth; 0.6 mm thick

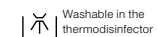


POWER LEVEL	MODEL	ORDER CODE
-------------	-------	------------

<b>SURG 150%</b>	<b>H-SG8L</b>	<b>Z305157</b>
------------------	---------------	----------------

- Marking every 2 and 4 mm from top of tip (Single side)
- Left curved tip\* • Three teeth; 0.6 mm thick

\* The direction of the tip's curve is defined by the tip's anterior view.



Washable in the thermodisinfectant



Autoclavable up to 135°C

Bone Surgery (TIN coating)



MODEL	ORDER CODE
-------	------------

**SG14R**      **Z305122**

- Right curved tip\*
- Five teeth; 0.6 mm thick



MODEL	ORDER CODE
-------	------------

**SG14L**      **Z305123**

- Left curved tip\*
- Five teeth; 0.6 mm thick



MODEL	ORDER CODE
-------	------------

**SG19**      **Z305135**

- Dot mark 3 mm from top of tip
- Five teeth; 0.8 mm thick



MODEL	ORDER CODE
-------	------------

**SG30**      **Z305137**

- Sharp edge
- 0.5 mm thick



MODEL	ORDER CODE
-------	------------

**SG58**      **Z305141**

- Dots mark 3, 6 and 9 mm from top of tip
- Three teeth; 0.6 mm thick

Scraper (TIN coating)



MODEL	ORDER CODE
-------	------------

**SG3**      **Z305104**

- Triple sided edge spatula tip



MODEL	ORDER CODE
-------	------------

**SG4**      **Z305105**

- Edge spatula tip



MODEL	ORDER CODE
-------	------------

**SG5**      **Z305106**

- Rounded edge spatula tip

Extraction (TIN coating)



MODEL	ORDER CODE
-------	------------

**SG17**      **Z305132**

- 0.7 mm thick



MODEL	ORDER CODE
-------	------------

**SG18R**      **Z305133**

- Right angled tip\* • 0.7 mm thick



MODEL	ORDER CODE
-------	------------

**SG18L**      **Z305134**

- Left angled tip\* • 0.7 mm thick

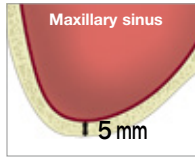
## Specialty Tips Exclusively for Sockets

Used as part of the socket lift method to swiftly perform sinus lift procedures, NSK's new tip lineup is designed for minimal surgical invasiveness.

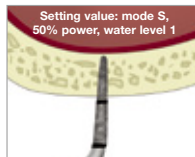
### Process example for elevation of maxillary sinus membrane

A type of implant preparation site for a regular size implant  $\phi 4.0$  mm.

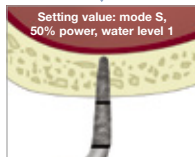
#### At the case of using VarioSurg



\*A case of around 5 mm from the base of cortical bone to maxillary sinus.  
\*Bone tissue is type 3 and good condition.  
\*In addition to positive diagnosis by CT image, the vertical bone width should be diagnosed well and the implant preparation site could be formed until the base of maxillary antrum.



1. Bone cutting to within 1 mm to the base of maxillary antrum by using SG15A tip. Please be careful not to push the tip too much.



2. Repeat bone cutting using SG15B tip to increase width. Please be careful not to push the tip too much.



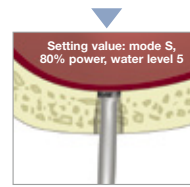
3. Bone cutting by using SG16A tip. The implant preparation site is formed until little of the base of cortical bone remains.



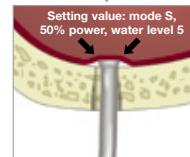
4. Repeat bone cutting by using SG16B tip. The implant preparation site is formed until little of the base of cortical bone remains.



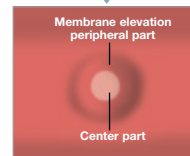
5. Using sufficient water irrigation, the implant preparation site is formed by using SCL2D tip. The water level is set to 5. Please be careful not to force the tip into the implant preparation site. Too much water pressure may exert on the maxillary antrum membrane. At the case of using drilling, this step is excluded.



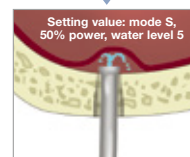
6. Using sufficient water irrigation, the implant preparation site is continued to be formed by using SCL1D tip. The water level is set to 5. The cavity floor of the implant preparation site is cut by using the edge of the top of the tip. Please be careful not to force the tip into the implant preparation site. Too much water pressure may exert on the maxillary antrum membrane.



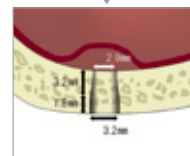
7. The maxillary antrum membrane is exfoliated by using SCL1 tip. The water level is set to 5. Slowly insert the top of the tip between the membrane and bone. Moving the tip along the wall of the implant preparation site will exfoliate the membrane. Please be careful, since the membrane can be torn at the edge (arrow part) between the bone and the membrane.



This image shows the elevated membrane which you will see from the maxillary antrum side. Please check the condition of maxillary antrum membrane using the endoscope.



8. The Maxillary antrum membrane can now be elevated by using SCL1 tip.



9. The completed formation of the implant preparation site. At the case of using drilling, the straight implant preparation site of 3.2 mm is formed.

### Socket Lift (Crestal Approach)



MODEL	ORDER CODE
-------	------------

**SCL1**                      **Z305170**

- Internal irrigation

MODEL	ORDER CODE
-------	------------

**SCL1D**                      **Z305171**

- Internal irrigation • Diamond coating

Socket Lift (Crestal Approach)



MODEL	ORDER CODE
<b>SCL2D</b>	<b>Z305182</b>

- Internal irrigation
- Diamond coating



MODEL	ORDER CODE
<b>SCL3</b>	<b>Z305172</b>

- Internal irrigation



MODEL	ORDER CODE
<b>SCL3D</b>	<b>Z305173</b>

- Internal irrigation
- Diamond coating



MODEL	ORDER CODE
<b>SCL4D</b>	<b>Z305184</b>

- Internal irrigation
- Diamond coating



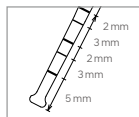
MODEL	ORDER CODE
<b>SCL5</b>	<b>Z305174</b>

- Internal irrigation



MODEL	ORDER CODE
<b>SCL5D</b>	<b>Z305175</b>

- Internal irrigation
- Diamond coating



The estimated depth of the implant preparation site can be measured with the scale on the Tip.

Sinus Lift



MODEL	ORDER CODE
<b>SG6D</b>	<b>Z305107</b>



MODEL	ORDER CODE
<b>SG7D</b>	<b>Z305108</b>

Sinus Membrane Detachment



MODEL	ORDER CODE
<b>SG9</b>	<b>Z305110</b>

- Flat circular convex elevator
- Angled at 90°



MODEL	ORDER CODE
<b>SG10</b>	<b>Z305111</b>

- Flat circular convex elevator
- Angled at 135°



MODEL	ORDER CODE
<b>SG11</b>	<b>Z305112</b>

- Cone compressor

Implant Preparation



MODEL	ORDER CODE
<b>SG15A</b>	<b>Z305124</b>

- Diameter of the tip end; 0.7 mm



MODEL	ORDER CODE
<b>SG15B</b>	<b>Z305125</b>

- Diameter of the tip end; 1.3 mm



MODEL	ORDER CODE
<b>SG15C</b>	<b>Z305126</b>

- Diameter of the tip end; 0.9 mm



MODEL	ORDER CODE
<b>SG15D</b>	<b>Z305127</b>

- Diameter of the tip end; 1.3 mm



MODEL	ORDER CODE
<b>SG16A</b>	<b>Z305128</b>

- Diameter; 2.0 mm



MODEL	ORDER CODE
<b>SG16B</b>	<b>Z305129</b>

- Diameter; 2.6 mm

Scaling



MODEL	ORDER CODE
<b>G1-S</b>	<b>Z305113</b>

Perio (Root Planing)



MODEL	ORDER CODE
<b>P20-S</b>	<b>Z305114</b>

- Straight tip



MODEL	ORDER CODE
<b>P25R-S</b>	<b>Z305115</b>

- Right curved tip\*



MODEL	ORDER CODE
<b>P25L-S</b>	<b>Z305116</b>

- Left curved tip\*

Maintenance (V-Tip)

Perio-Control



MODEL	ORDER CODE
-------	------------

<b>V10-S</b>	<b>Z305117</b>
--------------	----------------

- V-Tip Holder • Includes E-Tip replacement wrench
- Plastic Tip is not included

MODEL	ORDER CODE
-------	------------

<b>V-P10</b>	<b>Y900184</b>
--------------	----------------

- Pack of 3
- V10-S holder is not included

MODEL	ORDER CODE
-------	------------

<b>V-P12</b>	<b>Y1002167</b>
--------------	-----------------

- Pack of 3
- V10-S holder is not included

MODEL	ORDER CODE
-------	------------

<b>V-P11R</b>	<b>Y1002165</b>
---------------	-----------------

- Right curved type\* • Pack of 3
- V10-S holder is not included

MODEL	ORDER CODE
-------	------------

<b>V-P11L</b>	<b>Y1002166</b>
---------------	-----------------

- Left curved type\* • Pack of 3
- V10-S holder is not included

■ V-P11R, V-P11L, V-P12 can be used only for VarioSurg 3.

Endodontics



MODEL	ORDER CODE
-------	------------

<b>E30RD-S</b>	<b>Z305118</b>
----------------	----------------

- For posterior teeth (right angled)



MODEL	ORDER CODE
-------	------------

<b>E30LD-S</b>	<b>Z305119</b>
----------------	----------------

- For posterior teeth (left angled)



MODEL	ORDER CODE
-------	------------

<b>E31D-S</b>	<b>Z305120</b>
---------------	----------------

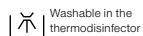
- For anterior and posterior teeth (70°)



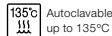
MODEL	ORDER CODE
-------	------------

<b>E32D-S</b>	<b>Z305121</b>
---------------	----------------

- For anterior teeth (90°)

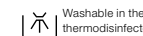


Washable in the thermodisinfecteur



Autoclavable up to 135°C

\* The direction of the tip's curve is defined by the tip's anterior view.



Washable in the thermodisinfecteur



Autoclavable up to 135°C

Tip Kits



**Bone Surgery / Scraper / Sinus Lift  
Sinus Membrane Detachment**

MODEL	ORDER CODE
<b>Basic H-S Kit</b>	<b>Y1002775</b>

**Basic H-S Kit**                      **Y1002775**

- Contents**
- H-SG1, SG3, SG5, SG6D, SG7D, SG11
  - Tip holder



**Bone Surgery**

MODEL	ORDER CODE
<b>Bone Cut Kit</b>	<b>Y900688</b>

**Bone Cut Kit**                      **Y900688**

- Contents**
- SG1, SG2R, SG4, SG2L, SG6D
  - Tip holder



**Sinus Lift**

MODEL	ORDER CODE
<b>Sinus Lift Kit</b>	<b>Y900689</b>

**Sinus Lift Kit**                      **Y900689**

- Contents**
- SG1, SG3, SG6D, SG9, SG10, SG11
  - Tip holder



**Endodontics**

MODEL	ORDER CODE
<b>Endo-S Kit</b>	<b>Y900691</b>

**Endo-S Kit**                      **Y900691**

- Contents**
- G1-S, E30RD-S, E30LD-S, E31D-S, E32D-S
  - Tip holder

Tip Kits



**Implant Preparation**

MODEL	ORDER CODE
<b>Implant Preparation Kit</b>	<b>Y900774</b>

**Implant Preparation Kit**                      **Y900774**

- Contents**
- SG15A, SG15B, SG16A, SG16B
  - Tip holder



**Socket Lift Tips (Crestal Approach)**

MODEL	ORDER CODE
<b>Socket Lift Kit for Regular Size Implant</b>	<b>Y1002841</b>

**Socket Lift Kit for Regular Size Implant**                      **Y1002841**

- Contents**
- SCL1D, SCL2D, SCL1
  - VS Tip Wrench • Tip holder • Manual



**Socket Lift Tips (Crestal Approach)**

MODEL	ORDER CODE
<b>Socket Lift Kit for Wide Size Implant</b>	<b>Y1002842</b>

**Socket Lift Kit for Wide Size Implant**                      **Y1002842**

- Contents**
- SCL2D, SCL3D, SCL4D, SCL3
  - VS Tip Wrench • Tip holder • Manual



NSK

2.10 Bar

iClave plus

Vacuum Sterize Dry Ready  
Class B 1.3.4 5 min  
1. UNIVERSAL

- 1. UNIVERSAL
- 2. DELICATE
- 3. FLASH
- 4. SMALL LOAD
- 5. PRION
- 6. CRITICAL 134 °C
- 7. CRITICAL 121 °C

AUTOCLAVE

# iClave plus



## More Safety, More Capacity

### Optimizing Handpiece Performance with The Long-Awaited Debut of NSK's Autoclave Series

Even the best handpiece means nothing if you cannot use and decontaminate it safely. NSK leveraged the advanced know-how it has gained as a trusted global handpiece manufacturer to realize the potential of a handpiece friendly autoclave through the launch of the long awaited iClave series.

### Deploying a Copper Chamber to Match The Advanced Class B Cycle Sterilization Capacity and Efficiency Standards

Air turbines, contra-angles, and other dynamic dental instruments consist of high-precision micro mechanisms and therefore benefit from careful sterilization to maintain performance. NSK chose to use a highly conductive copper chamber to satisfy Class B, Europe's strictest sterilization standard. The system delivers outstanding efficiency despite its large capacity.

### 50% More Capacity Than Conventional Autoclaves

The iClave plus can fully use its 17.5 Liter capacity because it maintains even temperatures throughout the autoclave chamber and constantly controls the surface temperature. The iClave plus offers 50% more sterilization space than a conventional stainless steel chamber of the same size, ensuring greater safety by reducing instrument overcrowding.

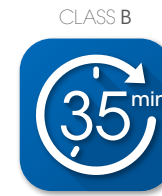


Copper chamber



Stainless steel chamber

### NSK Autoclave Benefits Include Combining High Heat Conductivity of Copper Chamber with Proprietary Heating System



Super fast



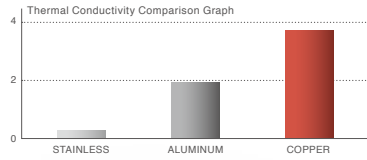
Super fast

## COPPER CHAMBER

### Highly Thermal Conductive Copper Chamber with Even Temperatures

Using copper to construct the chamber gives 17.7 times more heat conductivity than stainless steel. The copper chamber retains even internal temperature levels throughout despite its large capacity.

Thermal Conductivity Differences of Materials

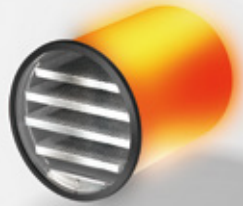


Copper's heat conductivity is 1.9 times and 17.7 times higher than that of aluminium and stainless steel, respectively.

### ADAPTIVE HEAT SYSTEM

#### Advanced Heating System Leveraging Excellent Thermal Conductivity

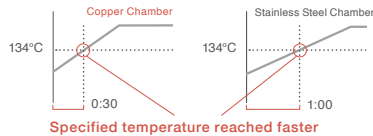
NSK's innovative heating system optimizes the high heat conductivity of copper. Enveloping the copper chamber is a special heater which is also used in satellites, incorporating electro-thermal material embedded in silicone to heat the entire chamber evenly without heat loss.



### TEMPERATURE CHARACTERISTICS

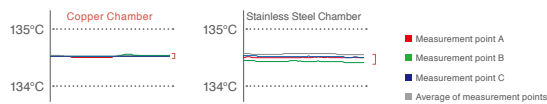
In temperature measurements at three points inside the chamber, the copper model reached 134°C, the standard sterilization temperature, in about half the time of a stainless steel counterpart. There were no temperature variations at the three points measured in the copper chamber.

Comparing Temperature Gains of Copper and Stainless Steel Chambers



Specified temperature reached faster

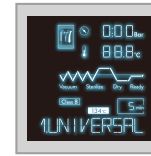
Comparing Temperature Differences of Copper and Stainless Steel Chambers



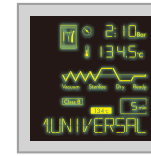
Less temperature variation within chamber

### User-friendly, Easy to Read Operating Panel

With a sophisticated design and excellent visibility, the panel is easy to operate and maintain, with colors changing according to conditions, enhancing sterilization reliability.



Selection screen



During operation



Sterilization complete



Error

### Sterilization Cycle Data Recording

All sterilization cycles are recorded on a USB flash drive, and no special software is required to view and print records of all cycles. The system records all relevant cycle parameters against a unique date and time stamp.



### Bacterial Filter for Greater Safety

The iClave plus ventilates air through a bacterial filter during the drying phase, eliminating the possibility of re-contamination.



### Designed to Boost Product Reliability

Consistent temperatures inside the chamber eliminate fluctuation stresses and reduce the risk of problems. NSK initially reviewed product reliability to ensure safe treatment. There are three thermometers to control temperatures in the iClave plus. An annual maintenance service alert helps prevent breakdowns and boosts product reliability.

### Stainless Steel Body Enhances Durability

The stainless steel body work, which is rare for an autoclave these days, makes iClave plus more robust. Together with the copper chamber it delivers outstanding durability.

### Constantly Monitoring Working Parameters for Safe Operation

The process evaluation system constantly monitors pressure, temperature, water quality and steam. Additional features include cycle counter, altitude set-up, maintenance monitoring, triple safety lock, auto switch-off, and double water tank.

# iClave plus

EN13060 Class B



## iClave plus Complete Set

MODEL	ORDER CODE
<b>iClave plus 230V</b>	<b>Y1003077</b>

### Technical characteristics

- External dimensions : W 445 x D 584 x H 438 mm
- Chamber dimensions : ø240 x 384 mm
- Chamber capacity : 17,5 Liter
- Net weight : 45 kg
- Maximum power consumption : 1,920 W
- Supply Voltage CE : AC 230 V - 50/60 Hz
- Air expulsion system : Vacuum pump 1, 3, 4 vacuum
- Max Load : 4 kg (solid), 1,5 kg (porous)

External dimensions exclude protrusions.

	PROGRAMS	PARAMETERS			CLASS
1	UNIVERSAL	134°C	5 min	3 vacuum	B
2	DELICATE	121°C	20 min	3 vacuum	B
3	FLASH	134°C	3 min	2 vacuum	S
4	SMALL LOAD <sup>1</sup>	134°C	4 min	3 vacuum	B
5	PRION	134°C	18 min	3 vacuum	B
6	CRITICAL 134°C	134°C	5 min	4 vacuum	B
7	CRITICAL 121°C	121°C	20 min	4 vacuum	B
8	SPECIAL	105-135°C	3-90 min	2-4 vacuum	-

<sup>1</sup> Bowie & Dick : 134°C / 3,5 min / 3 vacuum • Vacuum test : 20 min  
<sup>2</sup> small load : included hollow instruments type A and B (MAX 0,5 kg)

## Optional Accessories

### Regenerating Tabs



A special effervescent tablet for cleaning the chamber. Placed inside the chamber, it removes limescale and dirt residue from the boiler upon activating the cycle.

MODEL	ORDER CODE
<b>Regenerating Tabs</b>	<b>0230050</b>

### Barcode Label Writer



Increases traceability levels by combining sterile instruments and patients.

MODEL	ORDER CODE
<b>Barcode Label Writer</b>	<b>Z1281</b>

### Kit Wifi



Device for storing the sterilization cycles' data on an external memory and send to any PC, tablet or smartphone via WIFI connection.

MODEL	ORDER CODE
<b>Kit Wifi</b>	<b>599011</b>

### Helix Test



Helix Test allows you to verify steam penetration into hollow instruments. Includes a tester and 250 indicators.

MODEL	ORDER CODE
<b>Helix Test</b>	<b>9900059</b>

### Purity



High quality water is essential for sterilisation. This customised RO unit fits on top of the iCare plus automatically filtering water from the mains supply.

MODEL	ORDER CODE
<b>Purity</b>	<b>Z1284</b>



MAINTENANCE

# iCare



## Automatically Lubricates

iCare sets a new standard for handpiece maintenance systems. In one stylish and compact body, it offers you both ease of use and multiple functions to achieve complete lubrication. The proper solution volume is preset based on handpiece type, and maintenance can be initiated at the touch of a button. The chuck cleaning system keeps chucks pristine, and the purging select mode lets you alter purge time depending on the situation for truly comprehensive maintenance. Thanks to its stylish and compact body, iCare is also space efficient and totally in harmony with your working environment.

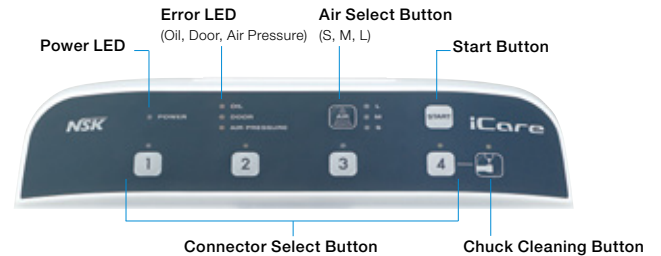
## Preset Proper Solution Volume Based on Handpiece Type

The proper solution volume is preset based on high speed and low speed handpieces, ensuring precise and thorough lubrication at the touch of a button.



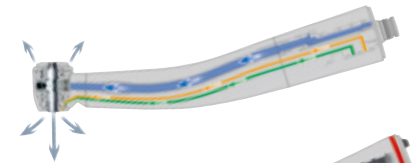
## Ergonomic and Easily Readable Large Panel

Simple One-Touch Operation to Start Lubrication.



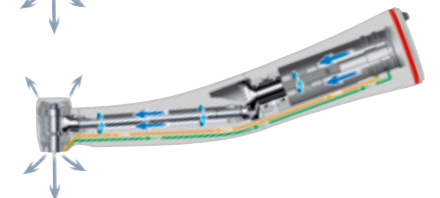
## High Speed Handpieces

iCare meticulously lubricates the components of high speed handpieces.



## Low Speed Handpieces

Low speed handpieces incorporate gearing systems that require extra solution penetration. The NSK rotation system guarantees optimum oil delivery to the internal components of all low-speed handpieces.



**Purging Select Mode**

After lubrication, you can select from appropriate modes offering different purge lengths - short, medium and long.



**Hp Head Filter Prevents Mist Leaks (Optional)**

Handpiece head filters are made to absorb any spray mist generated.



**Solution Tank**

iCare's big solution tank has a capacity of 1.2 litres allowing you to pour in a full one litre bottle of maintenance solution at once, reducing the necessity for frequent refilling. The enclosed nozzle enables clean and easy refilling.



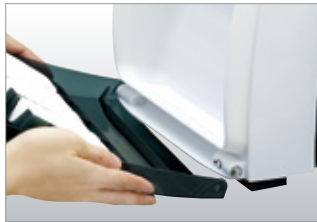
**Chuck Cleaning Function**

The chuck cleaning function completely removes dirt and cutting powder from the chuck.



**Easy to Clean**

iCare's front door can completely removed to allow fast, easy cleaning.



**Accommodates Both NSK Handpieces and Those of Other Brands**

NSK and all other brands of low speed handpieces connect directly to the fitting supplied. NSK high speed handpieces require the PTL adaptor. Adaptors are available for connection of most other high speed brands.

**Safe Operation with a Range of Alarm Functions**

The alarm LED ensures safe and secure maintenance by alerting you to various situations, including inadequate solution and an unclosed door.

**Stylish and Compact**

In the pursuit of 'ultimate ease-of-use', the iCare performs automatic maintenance of up to four handpieces at once. iCare is also designed to be simple to set up and space efficient, you can install it virtually anywhere.



**iCare Complete Sets**



**Dual Standard Connectors + Dual Rotation Connectors**

MODEL	ORDER CODE
<b>iCare C2 Type</b>	<b>Y1002787</b>



**Single Standard Connector + Triple Rotation Connectors**

MODEL	ORDER CODE
<b>iCare C3 Type</b>	<b>Y1002788</b>

**Contents**

- iCare unit • Power cord • Chuck Cleaning Nozzle • Maintenance oil for iCare (1 Liter) • Mist filter set
- Oil absorber sheet • Air tube

**Specifications**

- Power Supply : AC 100-240 V 50/60 Hz
- Air Pressure: 0.5-0.6 MPa (5.0-6.0 kgf/cm<sup>2</sup>)
- Weight : 6.5 kg (C2 type / C3 type)
- Dimension : W 280 x D 240 x H 350 mm
- Solution Tank Capacity : 1.2 L




- Connects only to Midwest 4-hole type • An air line is necessary (5.0-6.0 kgf/cm<sup>2</sup>)
- Do not use iCare to lubricate air scalers (except NSK S970 series) and Phatelus air motors. The iCare lubricating system is not designed to lubricate those particular products. Maintain air scalers and Phatelus air motors as described in the operation manual for each product.
- If blood infiltrates inside a handpiece, iCare may not totally clean the internal handpiece components, and internal blood coagulation may cause product failure. In this case, NSK recommends to immediately lubricate those handpieces manually with PANA SPRAY Plus.

iCare Adaptors

MODEL		ORDER CODE
<b>PTL Adaptor</b>	• For NSK High Speed Handpieces for PTL-CL-LED Coupling	<b>Z257010</b>
<b>B2/M4 Adaptor</b>	• For Borden 2 hole High Speed Handpieces	<b>T904</b>
<b>KV Adaptor</b>	• For KaVo® High Speed Handpieces for Multiflex® LUX Coupling	<b>Z257020</b>
<b>SR Adaptor</b>	• For Sirona® High Speed Handpieces for Quick Coupling	<b>Z257023</b>
<b>WH Adaptor</b>	• For W&H® High Speed Handpieces for Roto Quick Coupling	<b>Z257021</b>
<b>BA Adaptor</b>	• For Bien-Air® High Speed Handpieces for Unifix® Coupling	<b>Z280022</b>
<b>MH Adaptor</b>	• For Morita® High Speed Handpieces for Morita 4H Coupling	<b>Z257048</b>
<b>F-Type Adaptor</b>	• For ENDO-MATE TC2, AT Heads	<b>Z280042</b>

Check with the dealer for the adaptors to mount other manufactures' handpieces.

Refill Maintenance Oil

MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE
<b>Maintenance Oil for iCare (1 Bottle, 1 Liter)</b>		<b>Z016130</b>	<b>Mist Filter Set</b>		<b>Y900159</b>
			• Pack of 12		
			<b>Oil Absorber Sheet</b>		<b>U433135</b>
			• Pack of 10		

Multi Stands 

NSK Multi Stand is the convenient way to organize and store NSK high and low speed handpieces and heads. Autoclavable at 135°C.



MODEL	ORDER CODE
<b>Multi Stand Complete</b>	<b>Z036</b>









• For NSK high speed and low speed attachments



MODEL	ORDER CODE
<b>Multi Stand for Phatelus</b>	<b>Z036002</b>

• 3 x Adaptor A • 2 x Adaptor C

Multi Stand Handpiece Adaptors 

MODEL		ORDER CODE
<b>Adaptor A</b>		• For High speed handpieces and Phatelus air motors <b>Z036201</b>
<b>Adaptor B</b>		• For E-Type *Low speed handpieces and Phatelus air motor heads <b>Z036202</b>
<b>Adaptor C</b>		• For Phatelus and Mach couplings <b>Z036203</b>
<b>Adaptor KV</b>		• For KaVo® MULTIflex® LUX <b>Z036204</b>
<b>Adaptor SR</b>		• For Sirona® Quick Coupling <b>Z036205</b>
<b>Adaptor WH</b>		• For W&H® Roto Quick <b>Z036207</b>
<b>Adaptor BA</b>		• For Bien-Air® Unifix® <b>Z036206</b>
<b>Adaptor F</b>		• For ENDO-MATE TC2 / AT & iSD900 heads <b>Z036209</b>

\*E-Type: Conformable to ISO 3964.





# PANA SPRAY Plus

PANA SPRAY Plus is a specially formulated, highly effective general handpiece and air motor lubricant. Frequent application of PANA SPRAY Plus will assure handpiece and air motor performance and durability. Apply PANA SPRAY Plus every time before autoclaving any handpiece or air motor.



MODEL	ORDER CODE
<b>Pana Spray Plus Package</b>	<b>Y900630</b>

- PANA SPRAY Plus pack of 6

MODEL	ORDER CODE
<b>Tip Nozzle</b>	<b>Z020201</b>

## Spray Mist Absorber

A convenient way to contain mist spray from escaping into the environment. Simply insert the handpiece into the Absorber Pack then apply the spray lubricant.

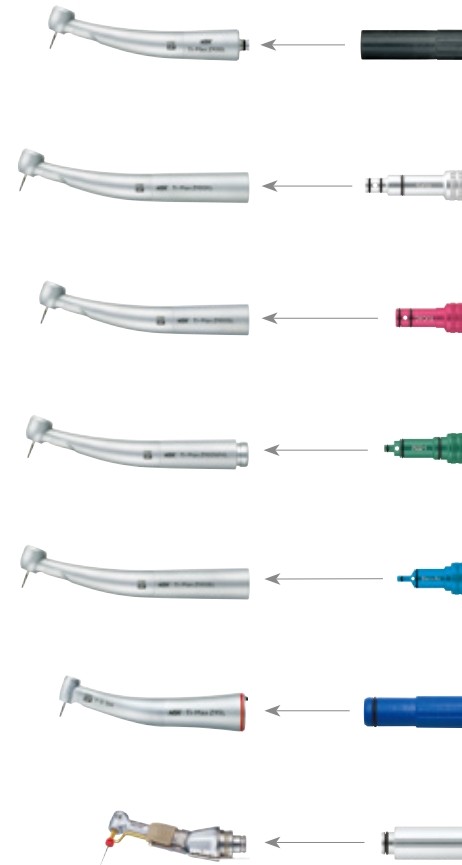


MODEL	ORDER CODE
<b>Spray Mist Absorber</b>	<b>Y900084</b>

- Pack of 10



## PANA SPRAY Plus Nozzles



MODEL	ORDER CODE
-------	------------

### Phatelus Spray Nozzle **P183090**

- For High speed attachments and air motors which attach to Phatelus and Mach Couplings

MODEL	ORDER CODE
-------	------------

### KV Nozzle **Z090051**

- For KaVo® MULTiflex® LUX

MODEL	ORDER CODE
-------	------------

### SR Nozzle **Z090052**

- For Sirona® Quick Coupling

MODEL	ORDER CODE
-------	------------

### WH Nozzle **Z090054**

- For W&H® Roto Quick

MODEL	ORDER CODE
-------	------------

### BA Nozzle **Z090053**

- For Bien-Air® Unifix®

MODEL	ORDER CODE
-------	------------

### E-Type Spray Nozzle **Z019090**

- For E-Type\* attachments

MODEL	ORDER CODE
-------	------------

### F-Type Spray Nozzle **Z256090**

- For ENDO-MATE TC2 / AT & iSD900 heads

## Multi Gauge

Measures handpiece tubing pressure. This includes drive air and water pressures. Where applicable it also measures exhaust air and coolant air. Midwest 4 hole and Borden 2/3 hole fittings are available.



MODEL	ORDER CODE
-------	------------

### MG-4H **Z109400**

- For Midwest 4 hole & Lux Coupling

MODEL	ORDER CODE
-------	------------












### MG-2/3H **Z109200**





- For Borden 2/3 hole

\*E-Type: Conformable to ISO 3964.



# Handpieces Air Pressures

MODEL	Air Pressures MPa (kgf/cm <sup>2</sup> )
<b>Air Turbine</b>	
 Ti-Max Z	<b>0.25-0.30 MPa</b> (2.5-3.0 kgf/cm <sup>2</sup> )
 S-Max M	<b>PTL:</b> <b>0.20-0.25 MPa</b> (2.0-2.5 kgf/cm <sup>2</sup> )
 S-Max pico	<b>K, KL, SL, W, WL, WLED, BL:</b> <b>0.25-0.30 MPa</b> (2.5-3.0 kgf/cm <sup>2</sup> )
 Ti-Max X450	<b>0.25-0.30 MPa</b> (2.5-3.0 kgf/cm <sup>2</sup> )
 Pana-Max PLUS	<b>0.18-0.22 MPa</b> (1.8-2.2 kgf/cm <sup>2</sup> )
 Pana-Max2	<b>0.20-0.25 MPa</b> (2.0-2.5 kgf/cm <sup>2</sup> )
 PRESTO AQUA II	<b>0.25-0.30 MPa</b> (2.5-3.0 kgf/cm <sup>2</sup> )
 PRESTO II	<b>0.20-0.25 MPa</b> (2.0-2.5 kgf/cm <sup>2</sup> )
<b>Air Motor</b>	
 Ti-Max X205L	
 S-Max M205	<b>0.20-0.25 MPa</b> (2.0-2.5kgf/cm <sup>2</sup> )
 FX205m	

MODEL	Air Pressures MPa (kgf/cm <sup>2</sup> )
<b>Oral Hygiene</b>	
 Ti-Max S970	<b>0.30 MPa</b> (3.0 kgf/cm <sup>2</sup> )
 AS2000	<b>0.28 MPa</b> (2.8 kgf/cm <sup>2</sup> )
 Prophy-Mate neo	<b>0.27-0.40 MPa</b> (2.7-4.0 kgf/cm <sup>2</sup> )
 Perio-Mate	<b>0.30-0.40 MPa</b> (3.0-4.0 kgf/cm <sup>2</sup> )



DENTAL LABORATORY

# ULTIMATE XL series



## Great Hands Need Great Tools

The ULTIMATE XL Series offers a choice of four control units, according to space and user requirements. All functions are controlled by NSK's microcomputer which maintains smooth starting and stopping ensuring excellence in overall operability.

### Advantages

- Lightweight and compact body
- Long-term durability
- Ergonomic shaped handpiece
- Minimal noise and vibration
- Special dust proof mechanism



## ULTIMATE XL Series

Choice of 2 micromotors and 4 control units are available.

— Bench type —  
ULTIMATE XL



UMXL-G

— Tower type —  
ULTIMATE XL-D



UMXL-D

— Knee type —  
ULTIMATE XL-K



UMXL-K

— Floor type —  
ULTIMATE XL-F



UMXL-F

# ULTIMATE XL

## Bench Top System



### Features

- Speed of 1,000-50,000 min<sup>-1</sup>
- Digital Speed Display
- Maintenance Mode Setting
- Auto Cruise Function
- Error Code Display Function
- Brushless

\* Not applicable to connect with an air turbine handpiece

	MODEL	ORDER CODE
<b>Torque</b>	<b>UMXL-GT</b>	<b>Y141469</b>
<b>Compact</b>	<b>UMXL-GC</b>	<b>Y141470</b>

### Contents

- Control unit • Micromotor Handpiece • Foot Control
- Handpiece Stand

### Specifications

- Power Supply : AC 230 V 50/60 Hz
- Weight : 2.8 kg
- Dimensions : W 167 x D 247 x H 77 mm

# ULTIMATE XL-K

## Knee Control System



### Features

- Speed of 1,000-50,000 min<sup>-1</sup>
- Digital Speed Display
- Maintenance Mode Setting
- Auto Cruise Function
- Error Code Display Function
- Available to connect with an air turbine adaptor
- Brushless

### Contents

- Control unit • Micromotor Handpiece • Handpiece Stand

### Specifications

- Power Supply : AC 230 V 50/60 Hz
- Weight : 3.2 kg
- Dimensions : W 90 x D 270 x H 230 mm

# ULTIMATE XL-D

## Bench Top Tower System



### Features

- Speed of 1,000-50,000 min<sup>-1</sup>
- Digital Speed Display
- Maintenance Mode Setting
- Auto Cruise Function
- Error Code Display Function
- Available to connect with an air turbine adaptor
- Brushless

	MODEL	ORDER CODE
<b>Torque</b>	<b>UMXL-DT</b>	<b>Y141504</b>
<b>Compact</b>	<b>UMXL-DC</b>	<b>Y141505</b>

### Contents

- Control unit • Micromotor Handpiece • Foot Control
- Handpiece Stand

### Specifications

- Power Supply : AC 230 V 50/60 Hz
- Weight : 3.3 kg
- Dimensions : W 81 x D 270 x H 230 mm

# ULTIMATE XL-F

## Floor Type Foot Control System



### Features

- Speed of 1,000-40,000 min<sup>-1</sup>
- Auto Cruise Function
- Available to connect with an air turbine adaptor
- Brushless

\* Speed and all other function are controlled via foot control. For safety, maximum speed preset to 40,000 min<sup>-1</sup>.

	MODEL	ORDER CODE
<b>Torque</b>	<b>UMXL-FT</b>	<b>Y141513</b>
<b>Compact</b>	<b>UMXL-FC</b>	<b>Y141514</b>

### Contents

- Control unit • Micromotor Handpiece • Handpiece Stand

### Specifications

- Power Supply : AC 230 V 50/60 Hz
- Weight : 3.8 kg
- Dimensions : W 230 x D 292 x H 113 mm



# ULTIMATE XL

## Features

- Ripple-free smooth rotation with 180° vector control system
- Powerful and stable torque across the entire speed range
- Easy-to-hold handpiece design ensures precision
- Lightweight compact body reduces hand fatigue and improves balance
- Unique dust-proof mechanism prevents contamination therefore achieving higher durability
- Minimal vibration, and noise from hermetically shielded micromotor unit
- Approximately 30% increased chuck strength enables you to work on a wider variety of materials
- Brushless



## Torque Micromotor & Cord

- Speed: 1,000-50,000 min<sup>-1</sup>
- Max. Torque : 8.7 Ncm

MODEL	ORDER CODE
<b>UMXL-T 2M</b>	<b>Y141441</b>

- Dimensions : L 151 x ø29 mm
- Weight : 215 g (Cord not included)
- Cord Length : 2 m



## Compact Micromotor & Cord

- Speed: 1,000-50,000 min<sup>-1</sup>
- Max. Torque : 6.0 Ncm

MODEL	ORDER CODE
<b>UMXL-C 2M</b>	<b>Y141445</b>

- Dimensions : L 144 x ø27 mm
- Weight : 181 g (Cord not included)
- Cord Length : 2 m



## E-type Micromotor & Cord

- Speed: 1,000-50,000 min<sup>-1</sup>
- Max. Torque : 6.0 Ncm

MODEL	ORDER CODE
<b>UMXL-EM 2M</b>	<b>E342002</b>

- Dimensions : L 118 x ø27 mm
- Weight : 129 g (Cord not included)
- Cord Length : 2 m

# Turbine Adaptor TA50

## For ULTIMATE XL-D, XL-K and XL-F

TA50 air turbine adaptor allows you to quickly switch power source between air turbine handpiece and electric micromotor. Both handpieces are equally controllable with a single foot control or knee control.



MODEL	ORDER CODE
<b>TA50</b>	<b>U375</b>

- Turbine adaptor
- W 75 x D 100 x H 30 mm

Air turbine



PRESTO AQUA II



PRESTO II

Turbine Adaptor TA50



\* The air turbine is operated via the ULTIMATE XL foot control.



ULTIMATE XL-D



ULTIMATE XL-K



ULTIMATE XL-F

# VOLVERE i7



## Features

- Light and compact to fit into the smallest space
- Microcomputer Control
- Ecological Design
- Auto Cruise Function
- Overload alarm system

## Standard Micromotor

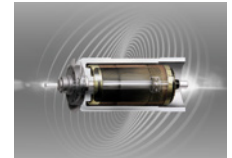


## E-Type Micromotor



## High Torque, High Efficiency Coreless Motor

The micromotor in the VOLVERE i7 handpiece has no core and generates less rotary momentum. This contributes to the controllability of the rotation speed and reduces uneven rotation. In addition, this motor has higher power efficiency compared to a conventional motor and can maintain constant speed even at high speeds.



- Special Dust Proof Mechanism
- High Precision
- Light and Compact
- Low Vibration & Low Noise



## VOLVERE i7 Complete Sets

	MODEL	ORDER CODE
<b>Standard</b>	<b>VOLVERE i7 RM</b>	<b>Y1003493</b>
<b>E-Type</b> Without Handpiece	<b>VOLVERE i7 E</b>	<b>Y1003494</b>

## Contents

- Control unit • Micromotor Handpiece • Foot control • Handpiece Stand

## Specifications

[Control Unit]

- Power Supply : AC 230 V 50/60 Hz
- Dimensions : W 69 x D 185 x H 167 mm
- Weight : 930 g

[Standard Type Motor Handpiece]

- Speed : 1,000-35,000 min<sup>-1</sup>
- Max. Torque : 4.1 Ncm
- Dimensions : L 145 x ø24.5 mm
- Weight : 192 g (without cord)
- Cord Length : 1.2 m

[E-Type Motor Handpiece]

- Speed : 1,000-35,000 min<sup>-1</sup>
- Max. Torque : 4.1 Ncm
- Dimensions : L 109.3 x ø24.5 mm
- Weight : 118 g (without cord)
- Cord Length : 1.2 m

# PRESTO series

## PRESTO AQUA II

Lube Free Air Turbine Handpiece with Water Spray

### Advantages

- Simple and easy removal of the water bottle
- Seamless adjustments of water volume and spray air
- On-off function of water coolant spray
- Capable of running independently with the incorporated water bottle or connected to mains water supply



### PRESTO AQUA II Complete Set

MODEL	ORDER CODE
<b>PRESTO AQUA II</b>	<b>Y150023</b>

### Contents

- PRESTO AQUA II unit
- PRESTO AQUA handpiece
- QD-J B3 coupling
- Hose for PRESTO AQUA II
- Foot control (AFC-40)
- Secondary hose for PRESTO

### PRESTO AQUA Handpiece

- 320,000 min<sup>-1</sup>
- Water coolant spray
- Water coolant options
- Requires no lubrication
- Swivel twist-free handpiece
- Low noise and vibration
- Unique dust-proof mechanism



MODEL	ORDER CODE
<b>PRA-HP</b>	<b>T816</b>

- PRESTO AQUA handpiece

MODEL	ORDER CODE
<b>QD-J B3</b>	<b>T354051</b>

- PRESTO AQUA coupling

## PRESTO II

Lube Free Air Turbine Handpiece

### Advantages

- Lightweight and compact



### PRESTO II Complete Set

MODEL	ORDER CODE
<b>PRESTO II</b>	<b>Y150022</b>

### Contents

- PRESTO II unit
- PRESTO handpiece
- Handpiece stand
- Hose for PRESTO
- Foot control (AFC-40)
- Secondary hose for PRESTO

### PRESTO Handpiece

- 320,000 min<sup>-1</sup>
- Requires no lubrication
- Low noise and vibration
- Unique dust-proof mechanism



MODEL	ORDER CODE
<b>PR-HP</b>	<b>T815</b>

- Includes 2 m hose









SPARE PARTS / COMPONENTS

SPARE PARTS / COMPONENTS



Ti-Max Z Series P.26-27

MODEL	PRODUCTS	ORDER CODE
<b>PTL O-ring Set</b> (Pack of 5)		<b>Y900580</b>


S-Max M Series P.30-31

MODEL	PRODUCTS	ORDER CODE
<b>SX3-MU03</b> Cartridge for Miniature head		<b>P1280</b>
<b>SX3-SU03</b> Cartridge for Standard head		<b>P1281</b>
<b>PTL O-ring Set</b> (Pack of 5)		<b>Y900580</b>




S-Max pico Series P.34-35




MODEL	PRODUCTS	ORDER CODE
<b>SX-PU03</b> Cartridge for S-Max pico		<b>P1140200</b>
<b>PTL O-ring Set</b> (Pack of 5)		<b>Y900580</b>



Ti-Max X450 Series P.40-41

MODEL	PRODUCTS	ORDER CODE
<b>PTL O-ring Set</b> (Pack of 5)		<b>Y900580</b>

Pana-Max PLUS P.42-43



MODEL	PRODUCTS	ORDER CODE
<b>SX3-MU03</b> Cartridge for Miniature head		<b>P1280</b>
<b>SX3-SU03</b> Cartridge for Standard head		<b>P1281</b>
<b>SX-MU04</b> Head cap for Miniature head		<b>P1001500</b>

MODEL	PRODUCTS	ORDER CODE
<b>SX-MU04</b> Head cap for Miniature head		<b>P1001500</b>
<b>SX-SU04(YOS)</b> Head cap for Standard head		<b>P1027500</b>
<b>SX-SU05</b> Head cap wrench for Miniature head & Standard head		<b>20000535</b>



MODEL	PRODUCTS	ORDER CODE
<b>SX-PU04</b> Head cap for S-Max pico		<b>P1140500</b>
<b>SX-PU05</b> Head cap wrench for S-Max pico		<b>20002803</b>

Couplings P.16-17

MODEL	PRODUCTS	ORDER CODE
<b>Anti-Retracton Valve</b>		<b>P401054</b>

MODEL	PRODUCTS	ORDER CODE
<b>SX-SU04(YOS)</b> Head cap for Standard head		<b>P1027500</b>
<b>SX-SU05</b> Head cap wrench for Miniature head & Standard head		<b>20000535</b>

Pana-Max2 P.46-47

MODEL	PRODUCTS	ORDER CODE
<b>PAX2-SU03</b> Cartridge		<b>P1190</b>
<b>PAX2-SU04</b> Head cap		<b>P1190050</b>



FX Series P.70-71


MODEL	PRODUCTS	ORDER CODE
<b>FX25-04</b> Head cap for FX25m		<b>C1052500</b>
<b>FX25-03</b> Cartridge for FX25m		<b>C1052700</b>
<b>FX Spray nozzle</b> For FX25m/FX15m		<b>C1052702</b>
<b>Spray Nozzle</b> For FX22		<b>C032701</b>



EX Series P.72-73

MODEL	PRODUCTS	ORDER CODE
<b>FPB-03</b> Cartridge for FPB		<b>C875060</b>
<b>NAC-03</b> Cartridge for NAC		<b>C030011</b>
<b>BB-03</b> Cartridge for BB		<b>C037015</b>
<b>Spray Nozzle</b> For NAC, BB, FPB, TEP		<b>C032701</b>
<b>FPB-02</b> Middle Gear		<b>C875012</b>

NLZ P.80-81

MODEL	PRODUCTS	ORDER CODE
<b>NLZ STAY</b>		<b>Z1321</b>
<b>NLZ MOUNTING PLATE</b>		<b>Z1323</b>

MODEL	PRODUCTS	ORDER CODE
<b>PAX2-SU05</b>		<b>P1190765</b>


















MODEL	PRODUCTS	ORDER CODE
<b>Spray Nozzle</b> For FX65m		<b>H019711</b>
<b>FX Wrench</b> For FX25m		<b>C1052701</b>
<b>Tube</b>		<b>Z166101</b>

MODEL	PRODUCTS	ORDER CODE
<b>NAC-02</b> Middle Gear		<b>C032012</b>
<b>Cap Wrench</b> For AR-Y(S)		<b>C185751</b>
<b>Cap Wrench</b> (Black)		<b>C071751</b>
<b>Tube</b>		<b>Z166101</b>





MODEL	PRODUCTS	ORDER CODE
<b>NLZ CDL</b> (2.2 m)		<b>E1152062</b>





Varios Combi Pro P.98

MODEL	PRODUCTS	ORDER CODE
<b>Chamber</b> For Prophy use		<b>U1135018</b>
<b>Chamber</b> For Perio use		<b>U1135019</b>
<b>Handpiece Hose</b> For Prophy use		<b>T1051001</b>
<b>Handpiece Hose</b> For Perio use		<b>T1053001</b>
<b>Powder Handpiece</b> For Prophy use		<b>T1074001</b>
<b>Powder Handpiece</b> For Perio use		<b>T1077001</b>
<b>Nozzle</b> For Prophy use		<b>T1074012</b>
<b>Nozzle</b> For Perio use		<b>T1077012</b>
<b>VCP Bottle Set</b> Bottle and Cap		<b>U1135017</b>
<b>VA2-LUX-HP</b> Optic Handpiece		<b>E351050</b>
<b>VA2LUX-SC</b> Handpiece Cord for VA2LUX		<b>E351054</b>
<b>FC-79</b> Foot Control		<b>Z1256001</b>
<b>Water Filter Set</b> 3.6 m		<b>U1135078</b>
<b>Water Filter</b>		<b>U387042</b>
<b>Water Filter Set</b>		<b>Y900069</b>
<b>Water Pressure Reducing Valve</b>		<b>U1135093</b>
<b>CR-10</b> Tip Wrench		<b>Z221076</b>

MODEL	PRODUCTS	ORDER CODE
<b>Tip Holder</b>		<b>Z221A080</b>
<b>Tip Cover L</b>		<b>Z217850</b>
<b>Tip Cover S</b>		<b>Z217851</b>
<b>Sterilization case</b>		<b>Z1035001</b>
<b>Irrigation Pump</b>		<b>U1135079</b>
<b>O-ring set</b> Chamber Base Connector (Pack of 5)		<b>Y1003435</b>
<b>Chamber Cap</b>		<b>U1135089</b>
<b>O-ring</b> For Chamber Cap		<b>Y1003545</b>
<b>O-ring set</b> Irrigation Bottle		<b>Y1003544</b>
<b>O-ring</b> 1 for the Handpiece Cord		<b>Y1003546</b>
<b>O-ring set</b> Handpiece Hose		<b>Y1003500</b>
<b>O-ring set</b> Nozzle		<b>Y1003501</b>
<b>Air Hose</b> 3.6 m		<b>D0914406036</b>
<b>Spanner Wrench</b> 5x8 (Pack of 2)		<b>Y1001301</b>
<b>Ring Wrench</b>		<b>T1074601</b>
<b>E Tip Replacement Wrench</b>		<b>Z217399</b>
<b>Perio Mate Nozzle Tip</b> (Pack of 40)		<b>Y1002741</b>

Varios Combi Pro P.98






MODEL	PRODUCTS	ORDER CODE
<b>Nozzle Tip Remover</b>		<b>T1043751</b>
<b>Lubrication Oil</b>		<b>Z016112</b>
<b>Cleaning Wire (L)</b>		<b>T798091</b>
<b>Cleaning Wire (S)</b>		<b>T798095</b>

MODEL	PRODUCTS	ORDER CODE
<b>Cleaning File</b>		<b>T798092</b>
<b>Cleaning Brush</b>		<b>T798093</b>
<b>Unlocking tool</b>		<b>U1135256</b>
<b>Fuse</b>		<b>D1202220010</b>















SPARE PARTS / COMPONENTS




Varios 970 / 370 / 170 P.101-103

MODEL	PRODUCTS	ORDER CODE
<b>VA2-LUX-HP</b> Optic Handpiece		<b>E351050</b>
<b>VA2-HP</b> Non-Optic Handpiece		<b>E350050</b>
<b>VA970LUX-SC</b> Handpiece Cord for Varios 970 LUX		<b>E351055</b>
<b>VA970-SC</b> Handpiece Cord for Varios 970		<b>E350055</b>
<b>VA170LUX-SC</b> Handpiece Cord for Varios 170 LUX		<b>E351056</b>
<b>VA170-SC</b> Handpiece Cord for Varios 170		<b>E350056</b>
<b>FC-70</b> Foot Control (2.5 m)		<b>Z1008001</b>
<b>FC-71</b> Foot Control (5 m) for Varios 370		<b>Z1008002</b>
<b>AC Adaptor</b> (5 m) For Varios 370		<b>Y1001792</b>
<b>Water Supply Connector</b>		<b>U387030</b>
<b>Water Filter Set (2 m)</b> 2 water supply tube, water filter, water filter case		<b>U387040</b>
<b>Water Filter Set (4 m)</b> For Varios 370 2 water supply tube, water filter, water filter case		<b>U1007080</b>
<b>Water Supply Tube (2 m)</b>		<b>U387580</b>
<b>Water Supply Tube (4 m)</b> For Varios 370		<b>D0914406040</b>
<b>Water Filter Case</b>		<b>Y900069</b>
<b>Water Filter</b>		<b>U387042</b>
<b>Tube Ring</b> (Pack of 2)		<b>Y900077</b>












MODEL	PRODUCTS	ORDER CODE
<b>CR-10</b> Tip Wrench		<b>Z221076</b>
<b>E Tip Replacement Wrench</b>		<b>Z217399</b>
<b>Tip Holder</b>		<b>Z221A080</b>
<b>Tip Cover L</b>		<b>Z217850</b>
<b>Tip Cover S</b>		<b>Z217851</b>
<b>Sterilization case</b>		<b>Z1035001</b>
<b>Handpiece Holder</b> For Varios 370		<b>10001505</b>
<b>VA Bottle 400</b> (400 mL) For Varios 970		<b>Z1047002</b>
<b>Irrigation Pump</b> For Varios 970		<b>10000643</b>
<b>O-ring</b> For Handpiece Cord		<b>D0310020080</b>
<b>O-ring</b> Thin section For VA Bottle 400		<b>D0312090100</b>
<b>O-ring</b> Thin section For VA Bottle 400		<b>D0310075150</b>
<b>Varios 350/370 Stand</b>		<b>Z254</b>
<b>Varios 350/370 Mounting Bracket</b>		<b>Z259</b>
<b>Control Unit Holder</b> For Varios 370		<b>Y1001812</b>
<b>Spanner Wrench</b> 5x8 (Pack of 2)		<b>Y1001301</b>

S970 / AS2000 Air Scaler P.126-128

MODEL	PRODUCTS	ORDER CODE
<b>CR-20</b> Tip Replacement Wrench with Torque Limiter		<b>Z1090001</b>
<b>E Tip Replacement Wrench</b>		<b>Z217399</b>
<b>Tip Holder</b>		<b>Z252A080</b>
<b>Prophy-Mate neo P.138</b>		
<b>MODEL</b>	<b>PRODUCTS</b>	<b>ORDER CODE</b>
<b>PMN-HP</b> Handpiece with 60° nozzle head		<b>T797010</b>
<b>Nozzle 60°</b>		<b>T797012</b>
<b>Nozzle 80°</b>		<b>T797013</b>
<b>Powder Case Cover</b>		<b>T798133</b>
<b>Gasket</b>		<b>T798135</b>
<b>O-ring</b> Front Nozzle		<b>D0312039070</b>
<b>O-ring</b> neo Rear Nozzle		<b>D0312029070</b>
<b>PTL O-ring Set</b> (Pack of 5)		<b>Y900580</b>
<b>PM O-ring Set</b> (Pack of 3)		<b>Y900054</b>
<b>Ring Wrench</b>		<b>T797601</b>
<b>Blower Nozzle-PTL</b> neo		<b>T798094</b>




MODEL	PRODUCTS	ORDER CODE
<b>Tip Cover L</b>		<b>Z217850</b>
<b>Tip Cover S</b>		<b>Z217851</b>
<b>S970 O-ring Set</b> (Pack of 4) For S970		<b>Y1001953</b>
<b>Blower Nozzle-KV</b> neo		<b>T886094</b>
<b>Blower Nozzle-SR</b> neo		<b>T887094</b>
<b>Blower Nozzle-WH</b> neo		<b>T888094</b>
<b>Blower Nozzle-BA</b> neo		<b>T889094</b>
<b>Blower Nozzle-M4</b> neo		<b>T884094</b>
<b>Blower Nozzle-B2</b> neo		<b>T885094</b>
<b>Lubrication Oil</b>		<b>Z016112</b>
<b>Cleaning Wire (L)</b>		<b>T798091</b>
<b>Cleaning Wire (S)</b>		<b>T798095</b>
<b>Cleaning File</b>		<b>T798092</b>
<b>Cleaning Brush</b>		<b>T798093</b>

**Perio-Mate P.142**



MODEL	PRODUCTS	ORDER CODE
<b>PER-HP</b>		<b>T1043010</b>
<b>Nozzle</b>		<b>T1043012</b>
<b>Powder Case Cover</b>		<b>T798133</b>
<b>Gasket</b>		<b>T798135</b>
<b>O-ring</b> Front Nozzle		<b>D0312039070</b>
<b>O-ring</b> PER Rear Nozzle		<b>D0312023060</b>
<b>PTL O-ring Set</b> (Pack of 5)		<b>Y900580</b>
<b>PM O-ring Set</b> (Pack of 3)		<b>Y900054</b>
<b>Ring Wrench</b>		<b>T797601</b>
<b>Nozzle Tip Remover</b>		<b>T1043751</b>
<b>Blower Nozzle-PTL</b> PER		<b>T1042094</b>



MODEL	PRODUCTS	ORDER CODE
<b>Blower Nozzle-KV</b> PER		<b>T1044094</b>
<b>Blower Nozzle-SR</b> PER		<b>T1046094</b>
<b>Blower Nozzle-WH</b> PER		<b>T1048094</b>
<b>Blower Nozzle-BA</b> PER		<b>T1050094</b>
<b>Blower Nozzle-M4</b> PER		<b>T1052094</b>
<b>Blower Nozzle-B2</b> PER		<b>T1054094</b>
<b>Lubrication Oil</b>		<b>Z016112</b>
<b>Cleaning Wire (L)</b>		<b>T798091</b>
<b>Cleaning Wire (S)</b>		<b>T798095</b>
<b>Cleaning File</b>		<b>T798092</b>
<b>Cleaning Brush</b>		<b>T798093</b>

**ENDO-MATE TC2 P.147, 151**

MODEL	PRODUCTS	ORDER CODE
<b>Ni-MH Rechargeable Battery</b> (Pack of 2)		<b>Y900103</b>
<b>Battery Charger</b>		<b>U614</b>
<b>Power Cord</b>		<b>U439551</b>

**ENDO-MATE AT P.149, 151**



MODEL	PRODUCTS	ORDER CODE
<b>ENDO-MATE DT adaptor</b>		<b>U480</b>
<b>Handpiece stand</b>		<b>Z095205</b>

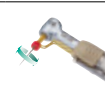

MODEL	PRODUCTS	ORDER CODE
<b>Cord</b> For MPA / MPAS		<b>C876021</b>
<b>Connection Cord Clip</b>		<b>C876509</b>

\* Use only a rechargeable battery, size AAA Ni-MH (Nickel Metal Hydride). Never attempt to use a non rechargeable battery.



**ENDO-MATE TC2 / ENDO-MATE AT Heads P.151**



**Heads for Endodontic Application**

MODEL	PRODUCTS	ORDER CODE
<b>MP-Y</b> Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck	 360° Rotation 	<b>C547</b>

MODEL	PRODUCTS	ORDER CODE
<b>MPA-Y</b> Connection for Apex locator (for long shank), Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck	 360° Rotation 	<b>C548</b>

**iPexII P.153**

MODEL	PRODUCTS	ORDER CODE
<b>iPexII File Clip</b>		<b>U1109351</b>
<b>iPexII Tester</b>		<b>U1109353</b>














MODEL	PRODUCTS	ORDER CODE
<b>iPexII Probe</b>		<b>U1109352</b>
<b>Lip Hook</b>		<b>U501513</b>

Dentalone P.157

MODEL	PRODUCTS	ORDER CODE
Saliva ejector with connector		57064
Hose		57064-1
Screwing cap suction, assembled		57068
Suction bottle complete		57072
Screwing cap water, assembled		57069
Water tank complete		57073
Cover assembled		57082
Socket assembled		57088

MODEL	PRODUCTS	ORDER CODE
NLX motor cord		37074
Cord for Scaler Varios 170		37075
FC-76 Foot Control		Z1082
Syringe tip		37066
Saliva ejector sieve		37064.6
Saliva ejector adaptor		37064.7
Sterilization case		Z1035001
CR-10 Tip Wrench		Z221076





VIVA ace P.163

MODEL	PRODUCTS	ORDER CODE
isoE-LUX		Z1265
V-ace Vacuum Nozzle (Pack of 10)		U1146088
V-ace Vacuum Hose Set		U1144074
V-ace Vacuum Bottle Set		U1146070
V-ace Vacuum Bottle Cap		UA11440195
V-ace Suction Waste Bottle		U1146075
VS Suction Waste Bottle Lid		Z1240051
Filter including O-Ring		UA11440189
O-Ring for Filter		D0312128060
V-ace 3 way Syringe Set		U1144040
V-ace 3 way Syringe Nozzle		U1144046
V-ace Vacuum Junction Hose		U1144753
Vacuum Cap A		U1144750

MODEL	PRODUCTS	ORDER CODE
Vacuum Cap B		U1144751
Hose Cap		U1144752
V-ace Water Bottle Set		U1146080
V-ace Water Bottle Cap		UA11460103
V-ace Water bottle		U1146085
FC-76S Foot Control		Z1082005
FC-70S Foot Control		Z1008006
AC Power Cord		U439551
Shoulder Belt		U1144370
Gasket For Water Bottle		U1144729
Gasket For Vacuum Bottle		U1144636
Gasket For Vacuum Bottle		Z1137352

SPARE PARTS / COMPONENTS

VIVAMATE G5 P.165





MODEL	PRODUCTS	ORDER CODE
<b>VIVAMATE G5 230V</b> Control unit		<b>U1068004</b>
<b>VMG30EM MC</b> VIVAMATE G5 Micromotor with Cord		<b>E1069002</b>
<b>FC-76M</b> Foot Control <small>(Optional)</small>		<b>Z1082002</b>
<b>Handpiece Stand</b>		<b>Z095205</b>






Surgic Pro2 P.176-177

MODEL	PRODUCTS	ORDER CODE
<b>SGL80M</b> Optic Motor & Cord		<b>Y1004211</b>
<b>SG80M</b> Non-Optic Motor & Cord		<b>Y1004212</b>
<b>Tube Holder</b>	 <small>(Pack of 7)</small>	<b>E1198105</b>
<b>FC-81</b> FOOT CONTROL WIRELESS		<b>Z1401001</b>
<b>Coolant Solution Hanger Post</b>		<b>U370152</b>
<b>Irrigation Tube</b> <small>(Pack of 5)</small>		<b>Y900113</b>

Surgic Pro2 / VarioSurg 3 P.177





MODEL	PRODUCTS	ORDER CODE
<b>Link Stand2</b>		<b>Z1452001</b>

MODEL	PRODUCTS	ORDER CODE
<b>Battery Pack</b>		<b>U1068052</b>
<b>AC Adaptor</b> For VIVAMATE G5		<b>U1115</b>
<b>AC Power Cord</b>		<b>U439551</b>
<b>Carrying Set</b> For VIVAMATE G5		<b>Y1002171</b>

MODEL	PRODUCTS	ORDER CODE
<b>AC Power Cord</b>		<b>U198013</b>
<b>Handpiece Stand</b>		<b>Z1402110</b>
<b>Tube Holder</b> <small>(Pack of 7)</small>	 <small>(Pack of 7)</small>	<b>Y900083</b>
<b>Protection Plug</b>	 <small>(Pack of 7)</small>	<b>10001595</b>
<b>SG-CASE</b> Sterilization Cassette	 <small>(Pack of 5)</small>	<b>Z313101</b>

MODEL	PRODUCTS	ORDER CODE
<b>Link Module</b>		<b>Z1402001</b>

Surgic Pro P.182-185




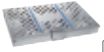
MODEL	PRODUCTS	ORDER CODE
<b>Tube Holder</b>	 <small>(Pack of 7)</small>	<b>E295105</b>
<b>Handpiece Stand</b>	 <small>(Pack of 7)</small>	<b>Z1029201</b>
<b>Coolant Solution Hanger Post</b>		<b>U370152</b>
<b>Irrigation Tube</b> <small>(Pack of 5)</small>		<b>Y900113</b>

Surgic Pro / VarioSurg 3 P.185




MODEL	PRODUCTS	ORDER CODE
<b>SG Link Stand</b>		<b>Z1176</b>

Implant Handpieces P.187-191

MODEL	PRODUCTS	ORDER CODE
<b>Internal Spray Nozzle</b>	 <small>(Pack of 7)</small>	<b>10000324</b>
<b>Spray Nozzle</b> For X-SG20ML	 <small>(Pack of 7)</small>	<b>CA13030107</b>
<b>Spray Nozzle</b> For SG20M	 <small>(Pack of 7)</small>	<b>CA13020115</b>
<b>Nozzle Holder</b> X-SG20L / nanoSG20LS X-DSG20Lh, X-DSG20h X-DSG20L, X-DSG20	 <small>(Pack of 7)</small>	<b>20000396</b>


MODEL	PRODUCTS	ORDER CODE
<b>Handle Set</b>		<b>Z1027001</b>
<b>Tube Holder</b> <small>(Pack of 7)</small>	 <small>(Pack of 7)</small>	<b>Y900083</b>
<b>Protection Plug</b>	 <small>(Pack of 7)</small>	<b>10001595</b>
<b>SG-CASE</b> Sterilization Cassette	 <small>(Pack of 5)</small>	<b>Z313101</b>

MODEL	PRODUCTS	ORDER CODE
<b>SG Link Cable</b>		<b>Z1189</b>

MODEL	PRODUCTS	ORDER CODE
<b>Nozzle Holder</b> For SG20	 <small>(Pack of 7)</small>	<b>20000357</b>
<b>Y-Connector</b>		<b>C823752</b>
<b>Cleaning Wire</b>		<b>20000512</b>

SPARE PARTS / COMPONENTS





Micro Surgery Handpieces P.192

MODEL	PRODUCTS	ORDER CODE
<b>Spray Nozzle</b> For SGS, SGA		<b>H263018</b>




Micro Saw Handpieces P.194-195

MODEL	PRODUCTS	ORDER CODE
<b>Spray Nozzle</b> For SGR, SGT, SGO		<b>SH162035</b>


Osseo 100/100+ P.199


MODEL	PRODUCTS	ORDER CODE
<b>Multipeg Driver</b>		<b>55003</b>
<b>Sterile cover</b>		<b>55105</b>
<b>Mains adapter</b>		<b>55263</b>
<b>EU plug</b>		<b>55264</b>




iSD900 P.201






MODEL	PRODUCTS	ORDER CODE
<b>Quick Charger for iSD900</b>		<b>U1070001</b>
<b>Power Cord</b>		<b>U439551</b>
<b>Torque Calibrator</b>		<b>Z1056001</b>

Zygomatic Implant Handpiece P.189

MODEL	PRODUCTS	ORDER CODE
<b>Spray Nozzle</b> For SGX-E20R		<b>HA12000122</b>

MODEL	PRODUCTS	ORDER CODE
<b>Spanner 8x5</b>		<b>K040751</b>

MODEL	PRODUCTS	ORDER CODE
<b>UK plug</b>		<b>55265</b>
<b>AU plug</b>		<b>55266</b>
<b>US plug</b>		<b>55267</b>



MODEL	PRODUCTS	ORDER CODE
<b>Calibration Bur</b>	 	<b>Z1057101</b>
<b>On/Off Switch Lever</b>	 	<b>Z1070001</b>
<b>Ni-MH Rechargeable Battery</b> (Pack of 2)		<b>Y900103</b>






\* Use only a rechargeable battery, size AAA Ni-MH (Nickel Metal Hydride). Never attempt to use a non rechargeable battery.

VarioSurg 3 P.205-221

MODEL	PRODUCTS	ORDER CODE
<b>E Tip Replacement Wrench</b> For V10-S	 	<b>Z217399</b>
<b>CR-40</b> For SG1A, SG8A, Socket Lift Tip VS Tip Wrench	 	<b>Z305350</b>
<b>CR-30</b> Tip Wrench	 	<b>10000977</b>
<b>Tips Holder</b>	 	<b>20001327</b>
<b>Handpiece Stand</b>	 	<b>Z1029201</b>

iCare P.235











MODEL	PRODUCTS	ORDER CODE
<b>Chuck Cleaning Nozzle</b>		<b>Z257301</b>
<b>Air Filter</b>		<b>U508352</b>

MODEL	PRODUCTS	ORDER CODE
<b>Saline Solution Hanger Post</b>		<b>U564152</b>
<b>Irrigation Tube</b> (Pack of 5)		<b>Y900113</b>
<b>Tube Holder</b> (Pack of 7)	 	<b>Y900767</b>
<b>VA-SG-CASE</b> Sterilization Cassette	 	<b>Z313102</b>

MODEL	PRODUCTS	ORDER CODE
<b>HP Head Filter</b> (Pack of 200)		<b>U1120118</b>







ULTIMATE XL / XL-D / XL-K / XL-F P.246-248

MODEL	PRODUCTS	ORDER CODE
<b>UMXL-TM</b> Motor Torque type (with 1.2 m cord)		<b>E355</b>
<b>UMXL-CM</b> Motor Compact type (with 1.2 m cord)		<b>E356</b>
<b>UMXL-TM 2 M</b> Motor Torque type (with 2 m cord)		<b>E355002</b>
<b>UMXL-CM 2 M</b> Motor Compact type (with 2 m cord)		<b>E356002</b>
<b>UHRXL-T</b> Attachment Torque type		<b>H269</b>
<b>UHRXL-C</b> Attachment Compact type		<b>H271</b>
<b>Motor Cord T</b> (Torque type 1.2 m)		<b>E355051</b>
<b>Motor Cord C</b> (Compact type 1.2 m)		<b>E356051</b>
<b>Motor Cord T 2M</b> (Torque type 2 m)		<b>E355055</b>
<b>Motor Cord C 2M</b> (Compact type 2 m)		<b>E356055</b>

VOLVERE i7 P.251

MODEL	PRODUCTS	ORDER CODE
<b>GX35RM-B &amp; SCD</b> Motor + cord		<b>E1179</b>
<b>GX35EM-B &amp; SCD</b> E-type motor + cord		<b>E1180</b>
<b>UHR45C</b> Handpiece for GX35RM-B		<b>H203002</b>
<b>VR-EB</b> E-Type Handpiece		<b>H1062</b>
<b>Carbon Brush</b> For GX35RM-B / GX35EM-B (Pack of 2)		<b>E023011S</b>






MODEL	PRODUCTS	ORDER CODE
<b>FC-64</b> Foot Control (For XL / XL-D)		<b>Z304</b>
<b>Handpiece Stand</b> (wrench is not included)		<b>Z095201</b>
<b>Suspension Handpiece Cradle</b> (For XL)		<b>Z083</b>
<b>Chuck-2.35A</b>		<b>H203A180A</b>
<b>Handpiece Holder</b> For XL		<b>Y900770</b>
<b>Wrench for Locking Rotation</b>		<b>H269751</b>
<b>Wrench for Adjusting Chuck</b>		<b>K015751</b>
<b>Bracket Set</b> For XL-D / XL-K		<b>U364090</b>
<b>Fuse-T1.6A</b>		<b>D1202216010</b>









MODEL	PRODUCTS	ORDER CODE
<b>Chuck-2.35A</b>		<b>H203A180A</b>
<b>FC-76</b> Foot Control		<b>Z1082</b>
<b>Handpiece Stand</b>		<b>Z095205</b>
<b>Wrench for Adjusting Chuck</b>		<b>K015751</b>





PRESTO AQUA II P.252

MODEL	PRODUCTS	ORDER CODE
<b>Hose for PRESTO AQUA II</b>		<b>Z308050</b>
<b>QD-J B3</b> Coupling		<b>T354051</b>
<b>PR-AQ03</b> PRESTO AQUA Cartridge		<b>T816016</b>
<b>Chuck</b>		<b>T815019</b>
<b>AFC-40</b> Foot Control		<b>Z127</b>
<b>Secondary Hose for PRESTO</b> (2 m)		<b>Z101240</b>
<b>Water Filter Set (2 m)</b> (2 water supply tube, water filter, water filter case)		<b>U387040</b>
<b>Water Filter with Case</b>		<b>Y900069</b>
<b>Water Filter</b>		<b>U387042</b>

PRESTO II P.253

MODEL	PRODUCTS	ORDER CODE
<b>Handpiece Stand</b>		<b>Z010134</b>
<b>AFC-40</b> Foot Control		<b>Z127</b>
<b>PR-03</b> PRESTO Cartridge		<b>T815016</b>
<b>Chuck</b>		<b>T815019</b>
<b>Hose for PRESTO</b> (2 m)		<b>T815220</b>

MODEL	PRODUCTS	ORDER CODE
<b>Tube Ring</b> (Pack of 2)		<b>Y900077</b>
<b>PRA II</b> Bottle Set		<b>Z308040</b>
<b>PRA II</b> Bottle Lid		<b>Z308041</b>
<b>PRA II</b> Bottle		<b>Z308601</b>
<b>PRA II</b> Bottle O-ring set (Pack of 2)		<b>Y900327</b>
<b>Bracket Set</b>		<b>Z308060</b>
<b>Chuck Wrench</b>		<b>C034751</b>
<b>Bur-inserting Tool</b>		<b>T815030</b>

MODEL	PRODUCTS	ORDER CODE
<b>Secondary Hose for PRESTO</b> (2 m)		<b>Z101240</b>
<b>LAB Spanner Wrench</b>		<b>H005751</b>
<b>Chuck Wrench</b>		<b>C034751</b>
<b>Bur-inserting Tool</b>		<b>T815030</b>

Turbine Cartridges Quick Guide

Handpiece		Cartridge		Head Cap	
PRODUCT NAME		MODEL	ORDER CODE	MODEL	ORDER CODE
<b>Z800L</b>	<b>Ti-Max Z800L</b>	<b>TiZ-MU03</b>	<b>Y1002075</b>	<b>TiZ-MU04</b>	<b>P1051050</b>
<b>Z800KL / Z800SL</b>	<b>Ti-Max Z800KL / Z800SL</b>	<b>TiZ-MU03</b>	<b>Y1002075</b>	<b>TiZ-MU04</b>	<b>P1051050</b>
<b>Z800WL</b>	<b>Ti-Max Z800WL</b>	<b>TiZ-MU03</b>	<b>Y1002075</b>	<b>TiZ-MU04</b>	<b>P1051050</b>
<b>Z900L</b>	<b>Ti-Max Z900L</b>	<b>TiZ-SU03</b>	<b>Y1002076</b>	<b>TiZ-SU04</b>	<b>P1052050</b>
<b>Z900KL / Z900SL</b>	<b>Ti-Max Z900KL / Z900SL</b>	<b>TiZ-SU03</b>	<b>Y1002076</b>	<b>TiZ-SU04</b>	<b>P1052050</b>
<b>Z900WL</b>	<b>Ti-Max Z900WL</b>	<b>TiZ-SU03</b>	<b>Y1002076</b>	<b>TiZ-SU04</b>	<b>P1052050</b>
<b>M800L / M800</b>	<b>S-Max M800L / M800</b>	<b>SX3-MU03</b>	<b>P1280</b>	<b>SX-MU04</b>	<b>P1001500</b>
<b>M800KL / M800SL</b>	<b>S-Max M800KL / M800SL</b>	<b>SX3-MU03</b>	<b>P1280</b>	<b>SX-MU04</b>	<b>P1001500</b>
<b>M800WL / M800BL</b>	<b>S-Max M800WL / M800BL</b>	<b>SX3-MU03</b>	<b>P1280</b>	<b>SX-MU04</b>	<b>P1001500</b>
<b>M900L / M900</b>	<b>S-Max M900L / M900</b>	<b>SX3-SU03</b>	<b>P1281</b>	<b>SX-SU04 (YOS)</b>	<b>P1027500</b>
<b>M900KL / M900K</b>	<b>S-Max M900KL / M900K</b>	<b>SX3-SU03</b>	<b>P1281</b>	<b>SX-SU04 (YOS)</b>	<b>P1027500</b>
<b>M900SL</b>	<b>S-Max M900SL</b>	<b>SX3-SU03</b>	<b>P1281</b>	<b>SX-SU04 (YOS)</b>	<b>P1027500</b>
<b>M900WL / M900W</b>	<b>S-Max M900WL / M900W</b>	<b>SX3-SU03</b>	<b>P1281</b>	<b>SX-SU04 (YOS)</b>	<b>P1027500</b>
<b>M900BL</b>	<b>S-Max M900BL</b>	<b>SX3-SU03</b>	<b>P1281</b>	<b>SX-SU04 (YOS)</b>	<b>P1027500</b>
<b>S-Max pico</b>	<b>S-Max pico</b>	<b>SX-PU03</b>	<b>P1140200</b>	<b>SX-PU04</b>	<b>P1140500</b>
<b>S-Max pico KL</b>	<b>S-Max pico KL</b>	<b>SX-PU03</b>	<b>P1140200</b>	<b>SX-PU04</b>	<b>P1140500</b>
<b>S-Max pico SL</b>	<b>S-Max pico SL</b>	<b>SX-PU03</b>	<b>P1140200</b>	<b>SX-PU04</b>	<b>P1140500</b>
<b>S-Max pico WLED</b>	<b>S-Max pico WLED</b>	<b>SX-PU03</b>	<b>P1140200</b>	<b>SX-PU04</b>	<b>P1140500</b>
<b>X450L</b>	<b>Ti-Max X450L</b>	<b>TiX45-SU03</b>	<b>Y1001906</b>	<b>TiX45-SU04</b>	<b>P1078500</b>
<b>X450KL / X450SL</b>	<b>Ti-Max X450KL / X450SL</b>	<b>TiX45-SU03</b>	<b>Y1001906</b>	<b>TiX45-SU04</b>	<b>P1078500</b>
<b>X450WLED / X450BLED</b>	<b>Ti-Max X450WLED / X450BLED</b>	<b>TiX45-SU03</b>	<b>Y1001906</b>	<b>TiX45-SU04</b>	<b>P1078500</b>
<b>PAP-MU M4</b>	<b>Pana-Max PLUS MU</b>	<b>SX3-MU03</b>	<b>P1280</b>	<b>SX-MU04</b>	<b>P1001500</b>
<b>PAP-SU M4</b>	<b>Pana-Max PLUS SU</b>	<b>SX3-SU03</b>	<b>P1281</b>	<b>SX-SU04 (YOS)</b>	<b>P1027500</b>
<b>Pana-Max2 M4</b>	<b>Pana-Max2 M4</b>	<b>PAX2-SU03</b>	<b>P1190</b>	<b>PAX2-SU04</b>	<b>P1190050</b>
<b>Pana-Max2 B2</b>	<b>Pana-Max2 B2</b>	<b>PAX2-SU03</b>	<b>P1190</b>	<b>PAX2-SU04</b>	<b>P1190050</b>
<b>PRA-HP</b>	<b>PRESTO AQUA Handpiece</b>	<b>PR-AQ03</b>	<b>T816016</b>	-	-
<b>PR-HP</b>	<b>PRESTO Handpiece</b>	<b>PR-03</b>	<b>T815016</b>	-	-

KaVo and Multiflex are registered trademarks of KaVo Dental GmbH.  
Dentsply Sirona and Sirona are registered trademarks of Dentsply Sirona Inc.  
W&H is a registered trademark of W&H Dentalwerk Bürmoos GmbH.  
Bien-Air and Unifix are registered trademarks of Bien-Air Dental S.A.  
Satelec is a registered trademark of Acteon SA.  
EMS is a registered trademark of Electro Medical Systems SA.  
MORITA is registered trademarks of the J.MORITA MFG.CORP.

# NSK Companies Worldwide

**NAKANISHI INC.** [www.nsk-dental.com](http://www.nsk-dental.com)  
700 Shimohinata, Kanuma, Tochigi 322-8666, Japan  
TEL: +81 289 64 3380 FAX: +81 289 62 5636

---

**NSK Europe GmbH**  
Elly-Beinhorn-Str. 8, 65760 Eschborn, Germany  
TEL: +49 6196 77606 0 FAX: +49 6196 77606 29

**NSK France S.A.S.**  
32 rue de Lisbonne, 75008 Paris, France  
TEL: +33 1 56 79 59 80 FAX: +33 1 56 79 59 81

**NSK United Kingdom Ltd.**  
Office 4, Gateway 1000, Arlington Business Park  
Whittle Way, Stevenage, SG1 2FP, UK  
TEL: +44 1438 310670 FAX: +44 1438 310671

**NSK Dental Spain S.A.**  
C/Módena, 43 El Soho-Európolis  
28232 Las Rozas de Madrid, Spain  
TEL: +34 91 626 61 28 FAX: +34 91 626 61 32

**NSK Dental Italy S.r.l.**  
Via dell'Agricoltura 21, 36016 Thiene VI, Italy  
TEL: +39 0445 820070

**NSK Dental Nordic**  
Furstenbergsgatan 4, 416 64 Gothenburg, Sweden  
TEL: +46 31 20 20 24

**NSK America Corp.**  
1800 Global Parkway, Hoffman Estates  
IL 60192, USA  
TEL: +1 888 675 1675 FAX: +1 800 838 9328

**NSK America Latina Ltda.**  
Rua Doutor Joao Colin, 1995, América  
Joinville, SC 89204-003, Brazil  
TEL: +55 47 3804 6569 FAX: +55 47 3804 5248

**NSK Oceania Pty. Ltd.**  
Unit 12, 809-821 Botany Road  
Rosebery NSW 2018, Australia  
TEL: +61 2 8306 3000 FAX: +61 2 8306 3030

**NSK Oceania Ltd.**  
Ground Floor, Suite D, 272 Parnell Road  
Parnell, Auckland 1052, New Zealand  
TEL: +64 9 529 2383 FAX: +64 9 523 0181

**NSK Shanghai Co., Ltd.**  
Room 702 Tower 1 SOHO Tianshan Plaza  
421 Ziyun Road, Changning District  
Shanghai 200051, China  
TEL: +86 21 6252 7272 FAX: +86 21 6252 7855

**NSK Dental Korea Co., Ltd.**  
19, Yangpyeong-ro 21ga-gil  
Yeongdeungpo-gu, Seoul 07207, Korea  
TEL: +82 2 2633 8990 FAX: +82 2 2633 8980

**NSK Nakanishi Asia Pte. Ltd.**  
51 Changi Business Park Central 2  
#07-10 The Signature, 486066 Singapore  
TEL: +65 6376 5018 FAX: +65 6376 0233

**NSK Middle East FZCO**  
Room 6EA701, 7th Floor, East Wing No.6  
Dubai Airport Free Zone, PO Box 54316, Dubai, UAE  
TEL: +971 4 204 5507 FAX: +971 4 204 5508

**NSK RUS LLC**  
2, Entuziastov bulvar, 11th floor  
Moscow 109544, Russia  
TEL: +7 495 967 96 07 FAX: +7 495 967 96 08

\*Specifications are subject to change without notice.  
\*Please read the Operation Manual carefully before use, and file for future reference.  
\*This world catalogue is prepared to exhibit major products. The product is subject to the approval by the authority, and we suggest to check the product availability with your local distributor.

---

**NSK Oceania Pty. Ltd.** [www.australia.nsk-dental.com](http://www.australia.nsk-dental.com)  
Unit 12, 809-821 Botany Road, Rosebery NSW 2018, Australia  
TEL: +61 2 8306 3000 FAX: +61 2 8306 3030