PROFESSIONAL PRODUCTS



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MESSAGE



Creating value that exceeds customer expectations

It is 85 years since Keiichi Nakanishi founded Nakanishi Manufacturing the original name of NSK. Over the years, we have drawn on our high-speed rotational know how to continuously innovate our growing range of dental equipment. We have built solid trust amongst customers in more than 135 countries supported by our 13 worldwide offices, securing NSK the No. 1 share of the global market for rotational dental instruments.

NSK is a top brand committed to serving the needs of dental practitioners, technicians and hygienists. Our continued development offers innovative design and unrivalled quality as well as outstanding value and performance all of which is supported by NSK's global sales network and first-class after-sales service.

We strive to continue to create value, to exceed expectations and to become an indispensable partner for our customers.

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NSK Advantages

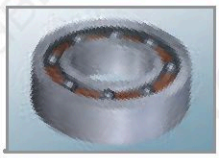
NSK Cellular Glass Optic

Cellular Glass Optic delivers brilliant illumination, is highly durable and will not deteriorate due to repeated sterilisation.



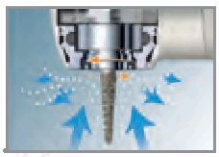
NSK Ceramic Bearings

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.



NSK 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.



NSK Push Button Chuck

Push Button Chuck is NSK's original push button auto-chuck mechanism that tensions 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.



NSK Quattro Water Spray

The NSK Quattro Water Spray effectively cools the entire surface of the bur with a high cooling effect, leaving no areas untreated.



NSK Non-Retraction Valve

The Non-Retraction Valve is integrated inside the coupling, plus 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.



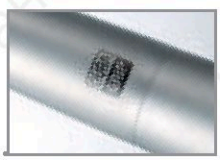
NSK Ergonomic Comfort Grip

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.



NSK Scratchless DURAGRIP

Special surface processed body pursuing usability and operability is designed to improve comfortability of holding while equal scratch resistancy as DURACOAT is maintained.



NSK Scratchless DURACOAT

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.



Autoclavable

All NSK handpieces offer superior durability and continued performance, even when frequently autoclaved. All handpieces may be autoclavable up to 135ºC.



Thermo-disinfector Ready

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.



LED : Indicates with LED illumination

Optic : Indicates with optic illumination **Non-Optic** : Indicates without optic illumination

■ Please quote both the Model & Order Code.

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LED Couplings

- Stainless Steel Body
- Titanium coating
- Non-Retraction Valve
- LED incorporated in coupling


LUX Coupling



LED

Optic MODEL **PTL-CL-LED** ORDER CODE **P1001600**

- For NSK

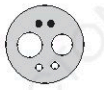

LUX Coupling



LED

Optic MODEL **PTL-CL-LED III** ORDER CODE **P1001601**

- For NSK with water volume adjuster

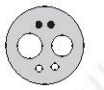

LUX Coupling



LED

Optic MODEL **KCL-LED** ORDER CODE **P1005600**

- For KaVo® MULTIflex® LUX with water volume adjuster


LUX Coupling



LED

Optic MODEL **SCL-LED** ORDER CODE **P1009600**

- For Sirona® Quick Coupling with water volume adjuster

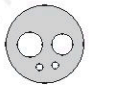
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NSK Couplings

• Stainless Steel Body • Non-Retraction Valve



Midwest 4 hole



Non-Optic MODEL **FM-CL-M4** ORDER CODE **P434051**



Borden 2 / 3 hole



Non-Optic MODEL **FM-CL-B2/B3** ORDER CODE **P432051**



Midwest 4 hole



Non-Optic MODEL **QD-J M4** ORDER CODE **T334051**



Borden 2 / 3 hole



Non-Optic MODEL **QD-J B2/B3** ORDER CODE **T332051**

Non-Optic MODEL **QD-J B3** ORDER CODE **T354051**

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NSK Coupling System

NSK



Ti-Max Z
Z800L / Z900L

S-Max M
M500L / M500 / M600L / M600

S-Max pico
S-Max pico

Ti-Max X450
X450L

Pana-Max2
Pana-Max2 PTL

Ti-Max S970
S970L / S970

Prophy-Mate neo*
PMNG-PTL-P

Perio-Mate*
PER-PTL-P

LED **PTL-CL-LED**
PTL-CL-LEDIII



Non-Optic **FM-CL-M4**



KaVo®



Ti-Max Z
Z800KL / Z900KL

S-Max M
M500KL / M600KL

S-Max pico
S-Max pico KL

Ti-Max X450
X450KL

Pana-Max2
Pana-Max2 KV

Ti-Max S970
S970KL

Prophy-Mate neo*
PMNG-KV-P

Perio-Mate*
PER-KV-P

LED **KCL-LED**



Sirona®



Ti-Max Z
Z800SL / Z900SL

S-Max M
M600SL

S-Max pico
S-Max pico SL

Ti-Max X450
X450SL

Ti-Max S970
S970SL

Prophy-Mate neo*
PMNG-SR-P

Perio-Mate*
PER-SR-P

LED **SCL-LED**



*Handpiece will operate without optic illumination

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AIR TURBINES



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Which handpiece?

Choose the handpiece that matches your hand.

	TI·Max Z	S·Max M	Ti-Max X450	S·Max pico	Pana·Max PLUS	Pana·Max2
						
Rank	*Premium*	*Advanced*	*Special*	*Special*	*Basic*	*Basic*
Body	Titanium	Stainless	Titanium	Stainless	Stainless	Stainless
DURAGRIP	●					
DURACOAT			●			
Ceramic Bearings	●	●	●	●	●	●
Cellular Glass Optics	●	●	●	●		
Clean Head System	●	●	●	●	●	●
Push Button Chuck	●	●	●	●	●	●
Water Spray	Quattro	Quattro	Triple	Single	Quattro	Single
Microfilter	●					
Ergo Grip	●	●	●	●	●	●

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Ti-Max Z

Air Turbine Series



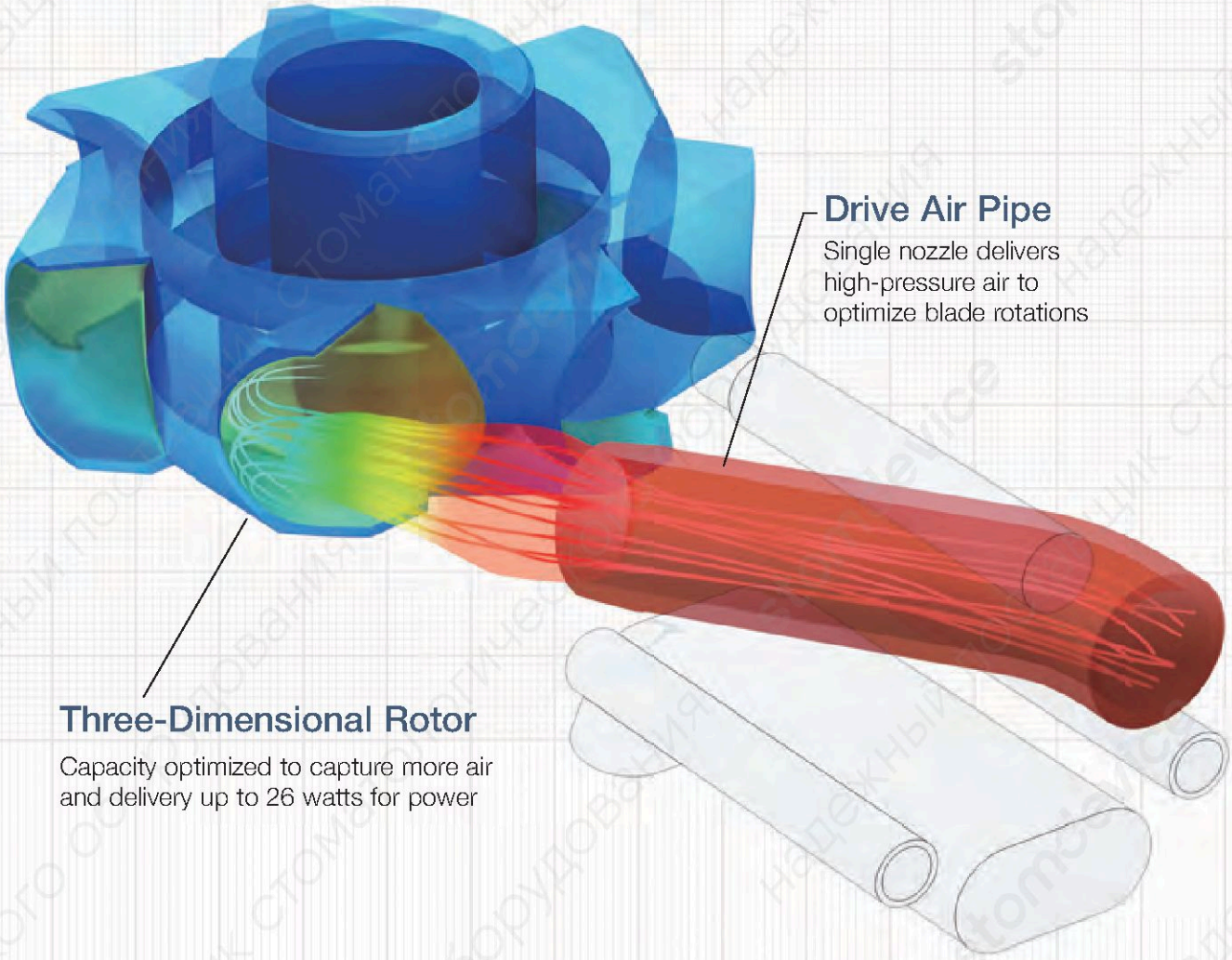
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POWERFUL

Evolving to Redefine Performance

The Z turbine delivers consistent power, and due to its ergonomic design it is easier to handle and gives 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



Drive Air Pipe

Single nozzle delivers high-pressure air to optimize blade rotations

Three-Dimensional Rotor

Capacity optimized to capture more air and delivery up to 26 watts for power

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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

Ti-Max Z Cartridge



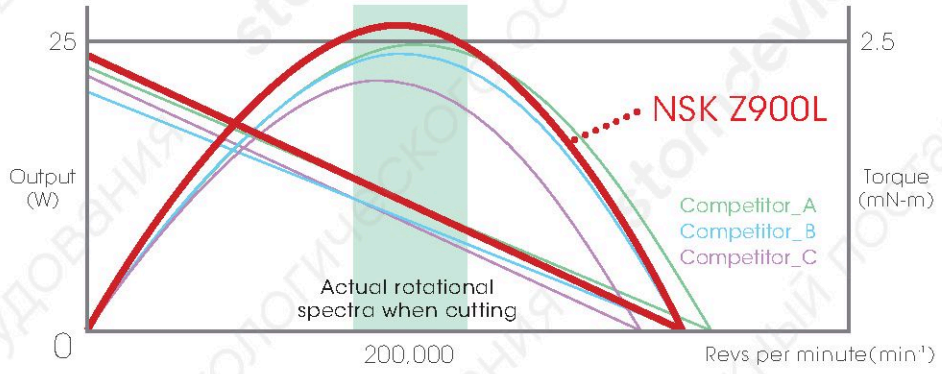
Ti-Max X Cartridge



Blade surface 50% larger

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.



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DURABILITY

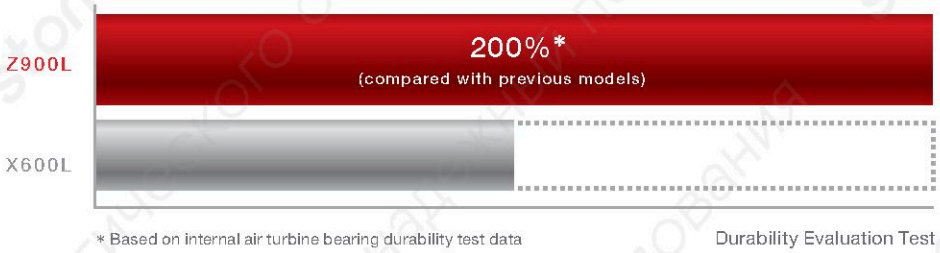
Our powerful and durable air turbines maintain long-term comfort and stability



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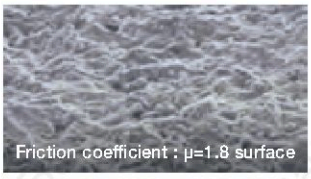
Advanced technology a Key Factor in Significantly Increased Durability of Ti-Max Z

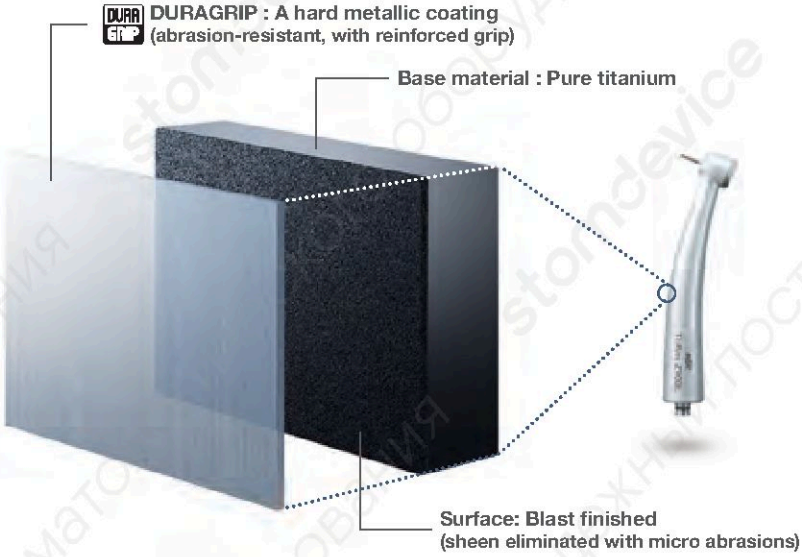


We have completely redesigned the shape and sourced improved materials for the bearing retainer to reduce frictional resistance and developed a new type of bearing to almost double the durability to accommodate constant thermodisinfector and autoclave usage.

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.





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TECHNOLOGY & FUNCTION

New Bearings

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

New 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 patented 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.

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Ti-Max Z

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

Connect to NSK Couplings



LED



Quattro Spray



Optic MODEL **Z800L** ORDER CODE **P1110**

Miniature Head : Power : 23 W, Speed : 360,000~440,000 min⁻¹, Head Size : ø10.8 x H12.1 mm



Optic MODEL **Z900L** ORDER CODE **P1111**

Standard Head : Power : 26 W, Speed : 320,000~400,000 min⁻¹, Head Size : ø12.5 x H13.1 mm

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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Connect Direct to KaVo® MULTIflex® LED



Optic MODEL **Z800KL** ORDER CODE **P1112**

Miniature Head : Power : 21 W, Speed : 360,000~440,000 min-1, Head Size : ø10.8 x H12.1 mm



Optic MODEL **Z900KL** ORDER CODE **P1113**

Standard Head : Power : 24 W, Speed : 320,000~400,000 min-1, Head Size : ø12.5 x H13.1 mm

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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Ti-Max Z

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

Connect Direct to Sirona®, W&H®, Bien-Air® Couplings



Miniature Head : Power : 21 W, Speed : 360,000~440,000 min^{-1}, Head Size : ø10.8 x H12.1 mm
Standard Head : Power : 24 W, Speed : 320,000~400,000 min^{-1}, Head Size : ø12.5 x H13.1 mm

Quattro Spray



LED Sirona® LED Coupling

Miniature Optic MODEL Z800SL ORDER CODE P1114
Standard Optic MODEL Z900SL ORDER CODE P1115

LED Compatible Turbines with Integral LED



W&H® Roto Quick

Miniature Optic MODEL Z800WL ORDER CODE P1120
Standard Optic MODEL Z900WL ORDER CODE P1121

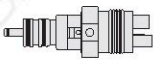
Washable in the thermodisinfector
135°C Autoclavable up to 135°C

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LED Compatible Turbines with Integral LED





Bien-Air® Unifix®

Miniature Optic MODEL **Z800BL** ORDER CODE **P1116**

Standard Optic MODEL **Z900BL** ORDER CODE **P1117**

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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stomdevice NSK | AIR TURBINES

S-Max M



Slim Ergonomic Design and Unrivalled Cutting Performance

S-Max M series air turbines feature unrivalled cutting performance, a slim ergonomically designed body and excellent visibility. It has been developed to meet the exacting standards dentists need in practice.
For easy maintenance of S-Max M air turbines, cartridges can be replaced easily in your practice helping you to control cost and down-time. S-Max M series has been designed without compromise to pay attention to every detail.

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S-Max M

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

Connect to NSK Couplings



LED



Quattro Spray



DIY Cartridge Change



Optic MODEL **M500L** ORDER CODE **P1001**
Non-Optic MODEL **M500** ORDER CODE **P1003**

Miniature Head : Power : 16 W, Speed : 380,000~450,000 min^{-1}, Head Size : ø10.6 x H12.4 mm



Optic MODEL **M600L** ORDER CODE **P1002**
Non-Optic MODEL **M600** ORDER CODE **P1004**

Standard Head : Power : 20 W, Speed : 360,000~430,000 min^{-1}, Head Size : ø12.1 x H13.3 mm

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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S-Max M

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

Connect Direct to KaVo® MULTIflex®



LED



Quattro Spray



DIY Cartridge Change

Optic MODEL **M500KL** ORDER CODE **P1005**
Non-Optic MODEL **M500K** ORDER CODE **P1007**

Miniature Head : Power : 16 W, Speed : 380,000~450,000 min⁻¹, Head Size : ø10.6 x H12.4 mm



Optic MODEL **M600KL** ORDER CODE **P1006**
Non-Optic MODEL **M600K** ORDER CODE **P1008**

Standard Head : Power : 20 W, Speed : 360,000~430,000 min⁻¹, Head Size : ø12.1 x H13.3 mm

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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Connect Direct to Sirona®, W&H®, Bien-Air® Couplings

Standard Head : Power : 20 W, Speed : 360,000~430,000 min^{-1}, Head Size : ø12.1 x H13.3 mm





LED Sirona® LED Coupling

Standard Optic MODEL M600SL ORDER CODE P1010

LED Compatible Turbines with Integral LED





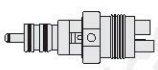
W&H® Roto Quick

Optic MODEL M600WLED ORDER CODE P1096

Non-Optic MODEL M600W ORDER CODE P1210

LED Compatible Turbines with Integral LED





Bien-Air® Unifix®

Standard Optic MODEL M600BLED ORDER CODE P1057

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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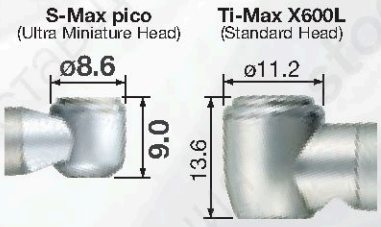
S-Max pico

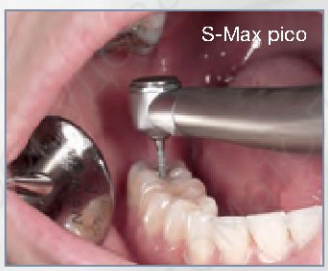
The innovative air turbine with ultra mini head and super slim body shape

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



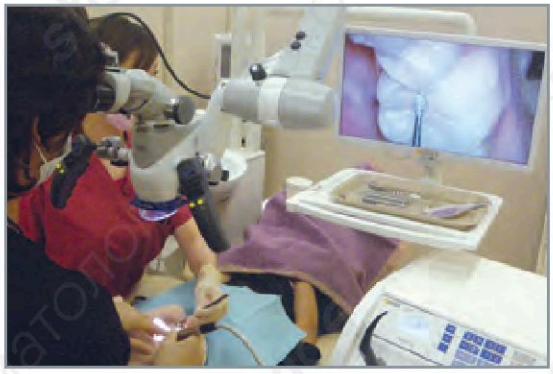




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Improve the accuracy of operation with the microscope

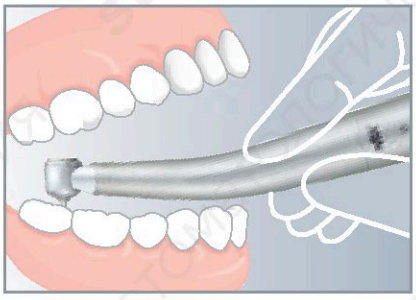


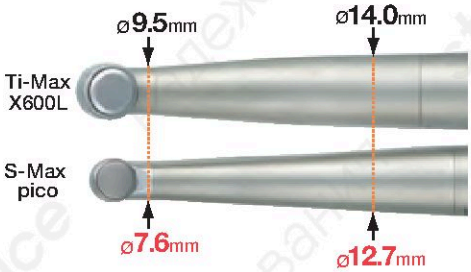
The ultra mini head delivers expanded operational visibility and greater flexibility. Patient comfort is increased.

In combination with mirror technique



Size specifications of the S-Max pico series





▲Comparison of body sizes

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^{-1})



Accessory bur set
(PC1-6/six-pack)

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S-Max pico

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

Connect to NSK Couplings



LED



Single Spray

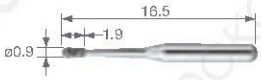


Optic MODEL **S-Max pico** ORDER CODE **P1140**

Power : 9 W, Speed : 380,000~450,000 min⁻¹, Head Size : ø8.6 x H9.0 mm

• **For short shank burs / ultra short shank burs** ■ Accessory bur set

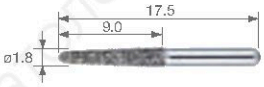
pico bur product line-up



MODEL **PC1** ORDER CODE **Y1001817**
• Pack of 3



MODEL **PC2** ORDER CODE **Y1001818**
• Pack of 3



MODEL **PC3** ORDER CODE **Y1001819**
• Pack of 3



MODEL **PC3ff** ORDER CODE **Y1002019**
• Extra fine bur • Pack of 3



MODEL **PC4** ORDER CODE **Y1001820**
• Pack of 3



MODEL **PC4ff** ORDER CODE **Y1002020**
• Extra fine bur • Pack of 3



MODEL **PC5** ORDER CODE **Y1001821**
• Pack of 3



MODEL **PC5ff** ORDER CODE **Y1002021**
• Extra fine bur • Pack of 3



MODEL **PC6** ORDER CODE **Y1001822**
• Pack of 3



MODEL **PC6ff** ORDER CODE **Y1002022**
• Extra fine bur • Pack of 3

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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Connect Direct to KaVo®, Sirona®, W&H®, Bien-Air® Couplings

Power : 9 W, Speed : 380,000~450,000 min⁻¹, Head Size : ø8.6 x H9.0 mm

• **For short shank burs / ultra short shank burs** ■ Accessory bur set



LED KaVo® LED Coupling

Optic MODEL S-Max pico KL ORDER CODE **P1142**



LED Sirona® LED Coupling

Optic MODEL S-Max pico SL ORDER CODE **P1143**

LED Compatible Turbines with Integral LED



W&H® Roto Quick

Optic MODEL S-Max pico WLED ORDER CODE **P1145**

LED Compatible Turbines with Integral LED



Bien-Air® Unifix®

Optic MODEL S-Max pico BLED ORDER CODE **P1144**

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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Ti-Max X450

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

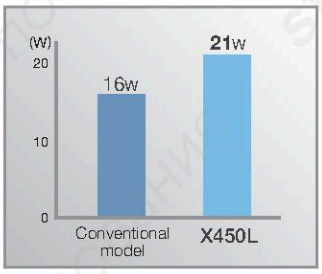
The 45-degree angled head offers excellent accessibility and visibility during root separation procedures and the removal of hard tissue covering impacted third molars.

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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.



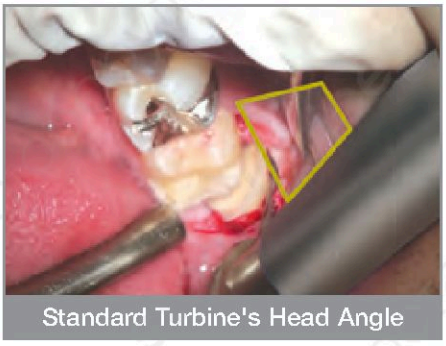
The Ti-Max X450 permits optimal access to molars and a diverse range of operative procedures.

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 it difficult to have a delicate, tactile sense while cutting. Maintaining the bur at an optimal angle and direction is also problematic.

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Ti-Max X450

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

Connect to NSK Couplings



LED



Triple Water Jet



Optic MODEL **X450L** ORDER CODE **P1078**

Power : 21 W, Speed : 380,000~450,000 min⁻¹
Head Size : ø11.2 x H13.5 mm

- **For FG extra-long burs (25mm) only**

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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Connect Direct to KaVo®, Sirona®, W&H®, Bien-Air® Couplings

Power : 18 W, Speed : 380,000~450,000 min⁻¹, Head Size : ø11.2 x H13.5 mm

- **For FG extra-long burs (25mm) only**



LED KaVo® LED Coupling

Optic MODEL **X450KL** ORDER CODE **P1079**





LED Sirona® LED Coupling

Optic MODEL **X450SL** ORDER CODE **P1080**

LED Compatible Turbines with Integral LED





W&H® Roto Quick

Optic MODEL **X450WLED** ORDER CODE **P1082**

LED Compatible Turbines with Integral LED





Bien-Air® Unifix®

Optic MODEL **X450BLED** ORDER CODE **P1081**

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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Pana-Max PLUS

- Stainless Steel Body
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray



Quattro Spray



DIY Cartridge Change

Non-Optic MODEL **PAP-MU M4** ORDER CODE **P1021**

Miniature Head : Speed : 380,000~450,000 min⁻¹
Head Size : ø10.6 x H12.4 mm • Midwest 4 hole



Non-Optic MODEL **PAP-SU M4** ORDER CODE **P1022**

Standard Head : Speed : 340,000~410,000 min⁻¹
Head Size : ø12.1 x H13.3 mm • Midwest 4 hole



Non-Optic MODEL **PAP-MU B2** ORDER CODE **P1023**

Miniature Head : Speed : 380,000~450,000 min⁻¹
Head Size : ø10.6 x H12.4 mm • Borden 2 hole



Non-Optic MODEL **PAP-SU B2** ORDER CODE **P1024**

Standard Head : Speed : 340,000~410,000 min⁻¹
Head Size : ø12.1 x H13.3 mm • Borden 2 hole

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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Connect to NSK Couplings





Non-Optic MODEL **PAP-QD MU** ORDER CODE **P1015**

Miniature Head : Speed : 380,000~450,000 min^{-1}
Head Size : ø10.6 x H12.4 mm



Non-Optic MODEL **PAP-QD SU** ORDER CODE **P1016**

Standard Head : Speed : 340,000~410,000 min^{-1}
Head Size : ø12.1 x H13.3 mm

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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Pana-Max2

Evolution of PANA-MAX

Pana-Max2 offers much more endurance and power than previous models, while being just as easy to handle.
Its sleek design provides maximum visibility of the operating field, easily reaching all areas of the oral cavity.



Slim-Line Stainless Steel Body

Pana-Max2's slim-line body guarantees excellent accessibility to the entire oral cavity. As a result visibility of the treatment area is maximized, allowing you to work with total efficiency.

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Unsurpassed Durability

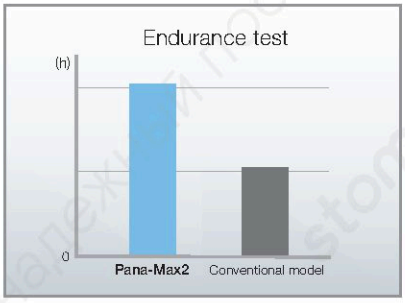
Built to excel in clinical situations. Featuring a scratch-resistant stainless steel body and sturdier turbine head.

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.



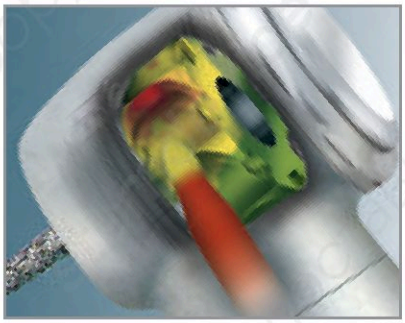
Exceptional longevity.

Newly designed bearing structure with greater wear resistance 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.



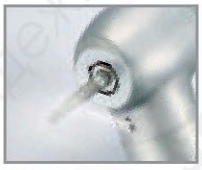
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Pana-Max2

- Stainless Steel Body
- Ceramic Bearings
- Clean Head System
- NSK Ultra Push Chuck
- Single Spray

Connect to NSK Couplings





Single Spray



DIY Cartridge Change



Non-Optic MODEL **Pana-Max2 PTL** ORDER CODE **P1211**

Speed : 300,000~400,000 min^{-1}, Head Size : ø11.2 x H13.4 mm

Connect Direct to KaVo® MULTIflex®





Non-Optic MODEL **Pana-Max2 KV** ORDER CODE **P1212**

Speed : 300,000~400,000 min^{-1}, Head Size : ø11.2 x H13.4 mm

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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Direct-connect / Screw-on type



Non-Optic MODEL **Pana-Max2 M4** ORDER CODE **P1154**

Speed : 350,000~450,000 min⁻¹, Head Size : ø11.2 x H13.4 mm

• Midwest 4 hole



Non-Optic MODEL **Pana-Max2 B2** ORDER CODE **P1155**

Speed : 350,000~450,000 min⁻¹, Head Size : ø11.2 x H13.4 mm

• Borden 2 hole

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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PHATELUS LIGHT PACK

Compact Unit For Illumination Control of 2 Optic Handpieces. For Integration Into All Dental Equipment.

Features

- Special integrated circuitry to increase the bulb life.
- Illumination intensity is adjustable individually for 2 optic handpieces.
- Automatic activation of handpiece illumination.
- Illumination delay (adjustable between 0.5-4.5 seconds) can be set individually for 2 handpieces.
- Illumination can remain active after the handpiece has stopped rotation.
- Simple installation into any brand of new or existing dental unit.
- Indicator lamp confirms correct operation of the system.
- Phatelus optic hoses fit directly to all brands of LUX handpiece couplings.
- Lightweight Phatelus hose reduces hand fatigue.
- The Phatelus hose may be cleaned with reputable disinfectants.
- Operates all brands of optic handpieces.



Phatelus Optic Complete Set



MODEL **PTL Optic Pack** ORDER CODE **Y103723**

Contents

• PTL Control Module • Hose (PTL-4HP) • PTL Adaptor

Individual Components



MODEL **PTL Control Module** ORDER CODE **U360011**

• Dimension : W50 x L90 x H26 (mm) • Weight : 120 g



MODEL **PTL Adaptor** ORDER CODE **U360032**



MODEL **PTL-4HP** ORDER CODE **P405**

• Optic Hose • LUX Coupling

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CONTRA-ANGLES

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Which handpiece?

Choose the handpiece that matches your hand.

	Ti-Max Z	Ti-Max Z45L	nano series	Ti-Max X	S-Max M	FX series
	 Ti-Max Z95L	 Ti-Max Z45L	 Ti-Max nano95L	 Ti-Max X95L	 S-Max M95L	 FX25m
Rank	*Premium*	*Special*	*Special*	*Advanced*	*Advanced*	*Basic*
Head Size	ø8.9 x H13.4 mm (Super mini)	ø9.6 x H14.5 mm	ø8.9 x H13.4 mm (Super mini)	ø10.0 x H14.6 mm	ø10.0 x H14.6 mm	ø9.6 x H13.4 mm
Body	Titanium	Titanium	Titanium	Titanium	Stainless	Stainless
DURAGRIP	●	●	●			
DURACOAT				●		
DLC Coating	●	●	●			
Anti Heat System	●	●	●			
Ceramic Bearings	●	●	●	●	●	
Cellular Glass Optics	●	●	●	●	●	
Clean Head System	●	●	●	●	●	●
Push Button Chuck	●	●	●	●	●	●
Water Spray	Quattro	Quattro (Water Jet / Mist)	Quattro	Quattro	Quattro	
Microfilter	●	●	●	●		
Ergo Grip	●	●	●	●	●	●

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Ti-Max Z

Contra-angle Series

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DURABLE

A stunningly durable and reliable handpiece

NSK has combined advanced design and world-class
processing technology to create incredibly durable instruments.
The gear is coated with special diamond-like carbon
to make wear resistance up to five times greater than on previous models.
NSK's advanced technologies have boosted sterilization resistance,
delivering even better reliability for dental practices.



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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.



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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, Z84L)

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

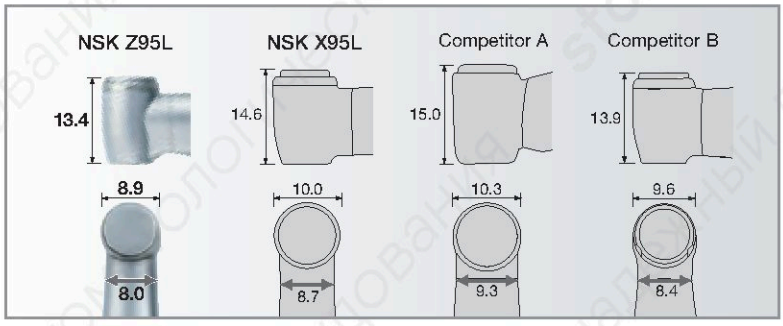
OUTSTANDING OPERABILITY

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.



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TECHNOLOGY & FUNCTION

Anti Heat System

Our proprietary Anti Heat System dramatically reduces heat generation to prevent burning.
(With Z95L/Z85L/Z84L)

DLC Coating

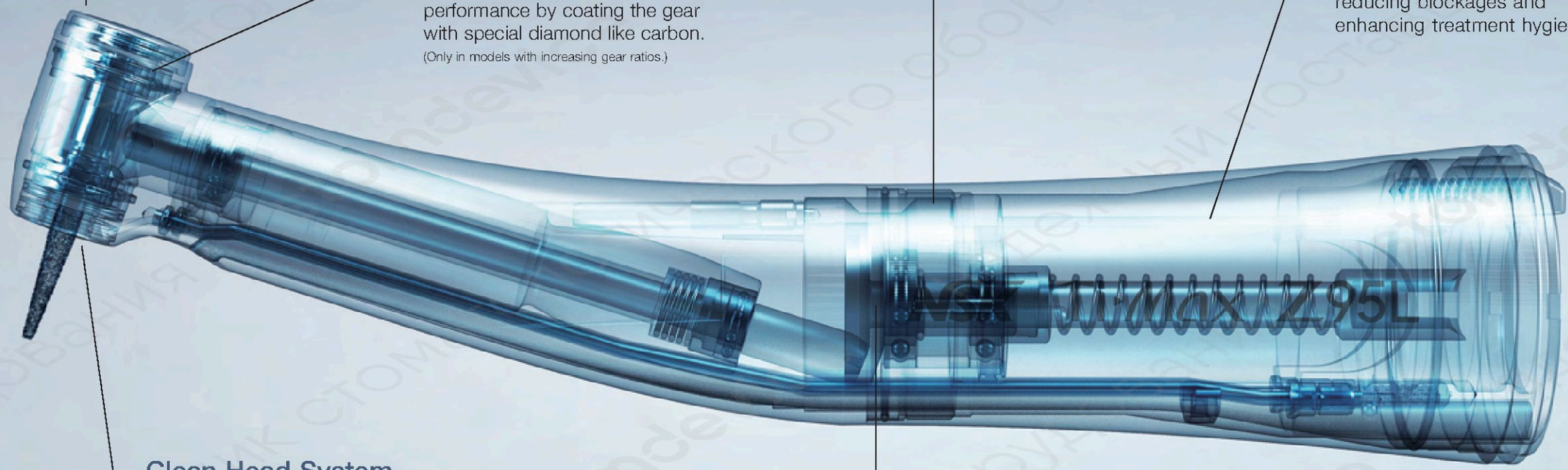
We have boosted anti-wear performance by coating the gear with special diamond like carbon.
(Only in models with increasing gear ratios.)

DURAGRIP

Our proprietary scratch and abrasion-proof surface treatment increases durability and ensures a secure 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 patented 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-precise parts and gears has lowered noise and vibration even more.

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Ti-Max Z

- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics • Clean Head System (Exclude Z84L)
- Push Button Chuck • Microfilter



Quattro Spray



Optic MODEL **Z95L** ORDER CODE **C1034**

1:5 Increasing • Exceptional Durability • Quattro Spray
• For FG burs (ø1.6) • Ceramic Bearings • DLC Coating
• Anti Heat System • Max Speed: 200,000 min^{-1}

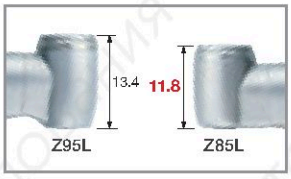


Single Spray



Optic MODEL **Z85L** ORDER CODE **C1062**

1:5 Increasing • Exceptional Durability • Single Spray • Miniature Head
• For FG burs (ø1.6) • Ceramic Bearings • DLC Coating
• Anti Heat System • Max Speed: 200,000 min^{-1}
*Short Shank burs only



Head size comparison

Z85L offering extraordinary visibility and accessibility.



Quattro Spray



Optic MODEL **Z84L** ORDER CODE **C1135**

1:4.5 Increasing • Exceptional Durability • Quattro Spray • Miniature Head
• For FG burs (ø1.6) • Ceramic Bearings • DLC Coating
• Anti Heat System • Max Speed: 180,000 min^{-1}
*Short Shank burs only



Head size comparison

Z84L offering extraordinary visibility and accessibility.

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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Single Spray



Optic MODEL **Z25L** ORDER CODE **C1038**

1:1 Direct Drive • Single Spray • For CA burs (ø2.35) • Max Speed: 40,000 min^{-1}



Optic MODEL **Z24L** ORDER CODE **C1126**

1:1 Direct Drive • Single Spray • Miniature Head • For CA burs (ø2.35) • Max Speed: 40,000 min^{-1}



Optic MODEL **Z15L** ORDER CODE **C1039**

4:1 Reduction • Single Spray • For CA burs (ø2.35) • Max Speed: 10,000 min^{-1}



Optic MODEL **Z10L** ORDER CODE **C1040**

16:1 Reduction • Single Spray • For CA burs (ø2.35) • Max Speed: 2,500 min^{-1}

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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Ti-Max Z45L

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.

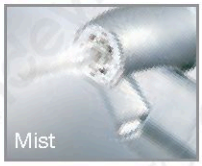
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• Titanium Body with Scratch Resistant DURAGRIP • 45° Angle Head
• Cellular Glass Optics • Ceramic Bearings • Clean Head System • Push Button Chuck
• Quattro Spray (Water Jet / Mist) • Microfilter • Anti Heat System • DLC Coating

Two-Way Spray Function





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



Optic MODEL **Z45L** ORDER CODE **C1064**

1:4.2 Increasing • For FG burs (ø1.6)
• Max Speed: 168,000 min^{-1}

Superior Accessibility Enables a Vast Variety of Clinical Applications



Sectioning a Mandibular Left Impacted Third Molar

You can gain a comfortable finger rest without stress thanks to the extra space the slim Ti-Max Z45L creates between the front teeth. It is also easy to maintain the bur at an optimal angle and achieve precise sectioning, even when the operating depth is close to the apex.



Caries Removal from Maxillary Left Second Premolar on Palatal Side

When working on the palatal side of a second premolar, Ti-Max Z45L ensures that you can operate smoothly and have plenty of working space between the maxillary adjacent teeth.



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

Securing a solid finger rest on a front tooth enables stable cutting without interference from other teeth. Since you can also freely control the angle of the bur, minimal intervention treatments are also possible.



Clarifying the Root Canal Orifice of a Mandibular Right Second Premolar

Ti-Max Z45L enables you to prep smoothly without interference from the rubber dam clamp. Its flexibility also makes treatments safer and more precise.

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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nano series

Shorter, Lighter & 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.



Features

- Perfect Balance
- Exceptionally Small Head and Slim Body
- Clear Visibility and Easy Access
- Amazingly Quiet Operation

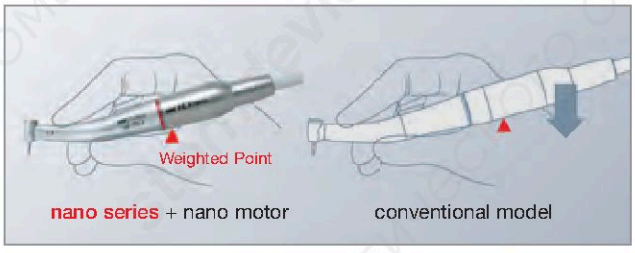
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Perfect Balance

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.

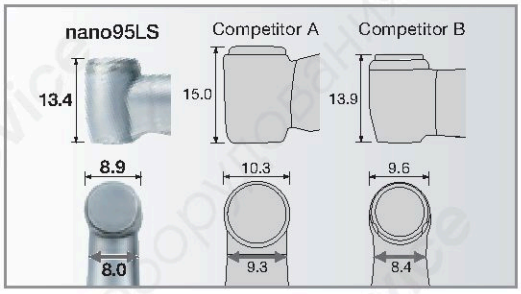
Reducing size and weight shifts the center of gravity to an optimal position, dramatically reducing fatigue during procedures and improving your fingertip dexterity.





Smaller and Slimmer

nano95LS has smaller head and slimmer neck dimensions.



Outstanding Durability

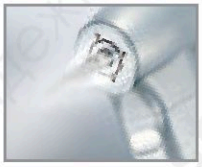
The nano95LS gear shapes have been designed using High Spec 3D simulation software to achieve optimal results in terms of durability and noise level minimization. In addition, special DLC Coating (Diamond-Like-Carbon) is applied to the gears, dramatically increasing durability.

nano Series instruments are compatible with NSK motor line up (NLX nano, NLX plus, M40LED, NBX, NBX N, X205L, M205LG and SGL70M micromotors) and other motors with insert less than 23mm.

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nano series

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



Quattro Spray



Optic MODEL **nano95LS** ORDER CODE **C1099**

1:5 Increasing • Exceptional Durability • Quattro Spray • For FG burs (ø1.6) • Ceramic Bearings • Microfilter • Anti Heat System • DLC Coating • Max Speed: 200,000 min^{-1}



Single Spray



Optic MODEL **nano25LS** ORDER CODE **C1100**

1:1 Direct Drive • Single Spray • For CA burs (ø2.35) • Microfilter • Max Speed: 40,000 min^{-1}



Optic MODEL **nano15LS** ORDER CODE **C1101**

4:1 Reduction • Single Spray • For CA burs (ø2.35) • Microfilter • Max Speed: 10,000 min^{-1}

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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Straight Handpiece



Optic MODEL **nano65LS** ORDER CODE **H1048**

1:1 Direct Drive • Single Spray • For HP / CA burs (ø2.35)*
• Max Speed: 40,000 min⁻¹

*Need to insert the supplied bur stopper

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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Ti-MaxX



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.



Ceramic Bearings

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. (X95L / X95)

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Ti-Max X

- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics • Clean Head System
- Push Button Chuck (Exclude X65L / X65) • Microfilter (Exclude X65L / X65)



Quattro Spray



Optic MODEL **X95L** ORDER CODE **C600**
Non-Optic MODEL **X95** ORDER CODE **C610**

1:5 Increasing • Quattro Spray • For FG burs (ø1.6)
• Ceramic Bearings • Max Speed: 200,000 min⁻¹



Single Spray



Optic MODEL **X25L** ORDER CODE **C601**
Non-Optic MODEL **X25** ORDER CODE **C611**

1:1 Direct Drive • Single Spray • For CA burs (ø2.35)
• Max Speed: 40,000 min⁻¹



Optic MODEL **X15L** ORDER CODE **C602**
Non-Optic MODEL **X15** ORDER CODE **C612**

4:1 Reduction • Single Spray • For CA burs (ø2.35)
• Max Speed: 10,000 min⁻¹

Straight Handpiece



Optic MODEL **X65L** ORDER CODE **H273**
Non-Optic MODEL **X65** ORDER CODE **H274**

1:1 Direct Drive • Single Spray • For HP burs (ø2.35)
• For CA burs (ø2.35)* • Max Speed: 40,000 min⁻¹
*Need to insert the supplied bur stopper

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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Ti-Max X

- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics • Microfilter (Exclude X57L / X57)



Single Spray



Optic MODEL **X12L** ORDER CODE **C606**
Non-Optic MODEL **X12** ORDER CODE **C616**

10:1 Reduction • Single Spray • For CA burs (ø2.35)
• Clean Head System • Push Button Chuck
• Max Speed: 4,000 min⁻¹

Endodontic Handpiece



Optic MODEL **X35L** ORDER CODE **C620**
Non-Optic MODEL **X35** ORDER CODE **C624**

10:1 Reduction • Single Spray • For Hand File & Engine File
• 60° Twist • Push Button Chuck
• Max Speed: 4,000 min⁻¹



MODEL **QF Adaptor** ORDER CODE **C877701**

■ Please keep the rotation speed with your file manufactures designate.

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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Prophylaxis Handpieces



With Tip Lock Mechanism



Optic MODEL **X55L** ORDER CODE **C608**
Non-Optic MODEL **X55** ORDER CODE **C618**

4:1 Reduction • Single Spray • For Profin / EVA Tips
• Vertical Reciprocating (Stroke Length 1.4mm)
• Lamineer Tips not included
• Max Speed: 10,000 min^{-1}



Special dust proof



Optic MODEL **X57L** ORDER CODE **C609**
Non-Optic MODEL **X57** ORDER CODE **C619**

16:1 Reduction • For Screw-in Cups and Brushes
• 360° Rotation • w/o Spray
• Max Speed: 2,500 min^{-1}

External Water Spray

1:5 Increasing



Quattro Spray



Non-Optic MODEL **X95EX** ORDER CODE **C1072**

• Titanium Body with Scratch Resistant DURACOAT
• Clean Head System • Ceramic Bearings
• Push Button Chuck • Quattro Spray
• For FG burs (ø1.6) • Max Speed: 200,000 min^{-1}

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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S-Max M

Incomparable Powerful Cutting and Superb Grip

S-Max M Series contra-angles allow cost-effective powerful cutting. Durable and quiet the ergonomic and well balanced instrument allows good accessibility and has superb grip. The NSK S-Max M Series has been designed without compromise.
Experience it for yourself.



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S·Max M

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



Quattro Spray



Optic MODEL **M95L** ORDER CODE **C1023**
Non-Optic MODEL **M95** ORDER CODE **C1026**

1:5 Increasing • Quattro Spray • For FG burs (ø1.6)
• Ceramic Bearings • Max Speed: 200,000 min⁻¹



Single Spray



Optic MODEL **M25L** ORDER CODE **C1024**
Non-Optic MODEL **M25** ORDER CODE **C1027**

1:1 Direct Drive • Single Spray • For CA burs (ø2.35)
• Max Speed: 40,000 min⁻¹



Optic MODEL **M15L** ORDER CODE **C1025**
Non-Optic MODEL **M15** ORDER CODE **C1028**

4:1 Reduction • Single Spray • For CA burs (ø2.35)
• Max Speed: 10,000 min⁻¹

Straight Handpiece



Non-Optic MODEL **M65** ORDER CODE **H1008**

1:1 Direct Drive • Single Spray • For HP burs (ø2.35)
• For CA burs (ø2.35)* • Max Speed: 40,000 min⁻¹
*Need to insert the supplied bur stopper

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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FX series

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

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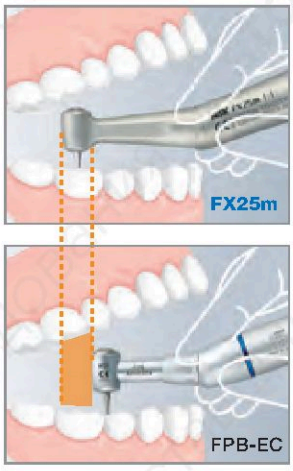
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Improved visibility : Ideal balance

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, lightweight design delivers an entirely comfortable ergonomic balance, especially when used in conjunction with the new NSK FX Mini Air motor.





Maximum accessibility

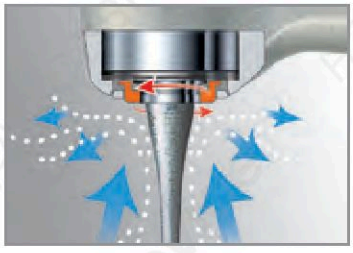
Easy Cartridge Replacement

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).



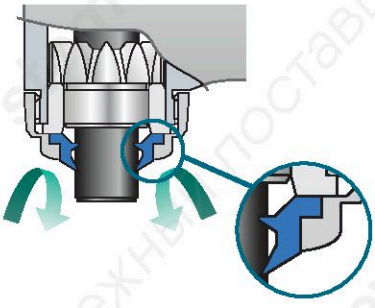
Clean Head System

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.



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FX series

General Applications Handpiece

External Water Spray

1:1 Direct Drive



Non-Optic MODEL **FX25m** ORDER CODE **C1052001**

- For CA burs (ø2.35)
- Push Button Chuck
- Stainless Steel Body
- Clean Head System
- Ball Bearing
- Max Speed: 40,000 min⁻¹

4:1 Reduction



Non-Optic MODEL **FX15m** ORDER CODE **C1053001**

- For CA burs (ø2.35)
- Push Button Chuck
- Stainless Steel Body
- Clean Head System
- Ball Bearing
- Max Speed: 10,000 min⁻¹

Straight Handpiece

1:1 Direct Drive



Non-Optic MODEL **FX65m** ORDER CODE **H1014001**

- For HP burs (ø2.35)
- Stainless Steel Body
- Clean Head System
- Max Speed: 40,000 min⁻¹

Washable in the thermodisinfector (FX25m, FX15m)

135°C Autoclavable up to 135°C

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Endodontic Handpiece

External Water Spray

16:1 Reduction



Non-Optic MODEL **FX75m** ORDER CODE **C1055001**

• Miniature Head • For engine files • Stainless Steel Body
• 360° Rotation • Push Button Chuck
• Max Speed: 1,250 min^{-1}

Prophylaxis Handpiece

4:1 Reduction



Paste Defense System



Non-Optic MODEL **FX57m** ORDER CODE **C1054001**

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

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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EX Series Heads & Handpieces

External Water Spray

Heads for General Application

Non-Optic



MODEL **FPB-Y** ORDER CODE **C875**

- For CA burs (ø2.35) • Clean Head System
- Push Button Chuck • Ball Bearing
- Max Speed: 40,000 min^{-1}



MODEL **NAC-Y** ORDER CODE **C032002**

- For CA burs (ø2.35) • Latch type
- Max Speed: 30,000 min^{-1}



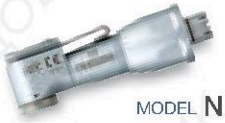
MODEL **BB-Y** ORDER CODE **C037**

- For CA burs (ø2.35) • Latch type
- Ball Bearing • Max Speed: 40,000 min^{-1}



MODEL **NBBW-Y** ORDER CODE **C211**

- For CA burs (ø2.35) • Latch type • Ball Bearing
- With Water Nozzle • Max Speed: 40,000 min^{-1}



MODEL **NM-Y** ORDER CODE **C247**

- Miniature Head • Latch type
- For CA burs (ø2.35) • Max Speed: 30,000 min^{-1}



MODEL **FFB-Y** ORDER CODE **C884**

- For FG burs (ø1.6) • Clean Head System
- Push Button Chuck • Max Speed: 40,000 min^{-1}



MODEL **NRS2-Y** ORDER CODE **C549**

- 10:1 Reduction • For CA burs (ø2.35)
- Clean Head System • Push Button Chuck
- Max Speed: 3,000 min^{-1}

Heads for Prophylaxis Application

Non-Optic



MODEL **AR-Y (S)** ORDER CODE **C187**

- For screw-in cups and brushes
- Max Speed: 5,000 min^{-1}



MODEL **AR-Y (K)** ORDER CODE **C188**

- For snap-on cups
- Max Speed: 5,000 min^{-1}



MODEL **EVA-Y** ORDER CODE **C235**

- For Eva tips • Vertical Reciprocating (Stroke Length 1.4mm)
- Max Speed: 10,000 min^{-1}

FPB-Y, FFB-Y, NRS2-Y, AR-Y (S), AR-Y (K) and EVA-Y can be washed in the thermodisinfector.

135°C Autoclavable up to 135°C

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Heads for Endodontic Application

Non-Optic



MODEL **MP-Y** ORDER CODE **C547**

- Miniature Head • Push Button Chuck
- Max Speed: 20,000 min^{-1}



MODEL **MPA-Y** ORDER CODE **C548**

- Connection for Apex locator (For long shank)
- Miniature Head • Push Button Chuck
- Max Speed: 20,000 min^{-1}



MODEL **MPAS-Y** ORDER CODE **C882**

- Connection for Apex locator (For short shank)
- Miniature Head • Push Button Chuck
- Max Speed: 20,000 min^{-1}



MODEL **TEQ-Y** ORDER CODE **C849**

- 80° Twist • For engine files (ø2.35)
- Push Button Chuck
- Max Speed: 4,000 min^{-1}



MODEL **TEP-Y** ORDER CODE **C837**

- 60° Twist • For hand files
- Push Button Chuck
- Max Speed: 4,000 min^{-1}

Handpieces



MODEL **EC** ORDER CODE **C100008**
MODEL **ECM** ORDER CODE **C100007**

- 1:1 Direct Drive



MODEL **ER4** ORDER CODE **C634**
MODEL **ER4M** ORDER CODE **C634002**

- 4:1 Reduction



MODEL **ER10** ORDER CODE **C635**
MODEL **ER10M** ORDER CODE **C635002**

- 10:1 Reduction



MODEL **ER16** ORDER CODE **C636**
MODEL **ER16M** ORDER CODE **C636002**

- 16:1 Reduction



MODEL **ER64** ORDER CODE **C637**
MODEL **ER64M** ORDER CODE **C637002**

- 64:1 Reduction

■Handpieces and heads are sold separately. You can combine handpieces and heads according to your wishes and the indication.

MP-Y, MPA-Y, MPAS-Y, TEP-Y, ECM, ER4M, ER10M, ER16M and ER64M can be washed in the thermodisinfector.

135°C Autoclavable up to 135°C

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EX Series Integrated Handpieces & Heads

External Water Spray

1:1 Direct Drive



Non-Optic MODEL **FPB-EC** ORDER CODE **Y110158**

• For CA burs (ø2.35) • Clean Head System • Push Button Chuck
• Ball Bearing • Max Speed: 40,000 min^{-1}



Non-Optic MODEL **NAC-EC** ORDER CODE **Y110148**

• For CA burs (ø2.35) • Latch type • Max Speed: 30,000 min^{-1}



Non-Optic MODEL **BB-EC** ORDER CODE **Y110159**

• For CA burs (ø2.35) • Latch type • Ball Bearing • Max Speed: 40,000 min^{-1}



Non-Optic MODEL **NBBW-EC** ORDER CODE **Y110160**

• For CA burs (ø2.35) • Latch type • Ball Bearing • With Water Nozzle
• Max Speed: 40,000 min^{-1}

135°C Autoclavable up to 135°C

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1:1 Direct Drive



Non-Optic MODEL **NM-EC** ORDER CODE **Y110161**

• Miniature Head • Latch type • For CA burs (ø2.35) • Max Speed: 30,000 min^{-1}



Non-Optic MODEL **FFB-EC** ORDER CODE **Y110162**

• For FG burs (ø1.6) • Clean Head System • Push Button Chuck • Max Speed: 40,000 min^{-1}

10 :1 Reduction Head



Non-Optic MODEL **NRS2-EC** ORDER CODE **Y110163**

• For CA burs (ø2.35) • Clean Head System • Push Button Chuck • Max Speed: 3,000 min^{-1}



MODEL **Spray Nozzle** ORDER CODE **C032701**

• For NAC, BB, FPB, FFB (Optional)



MODEL **Spray Nozzle** ORDER CODE **C039701**

• For NM (Optional)

135°c Autoclavable up to 135°C

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EX Series Integrated Handpieces & Heads

1:1 Direct Drive



Non-Optic MODEL AR-EC (S) ORDER CODE Y110164

Non-Optic MODEL AR-ECM (S) ORDER CODE Y110179

• For screw-in cups and brushes • 360° Rotation • Max Speed: 5,000 min⁻¹



Non-Optic MODEL AR-EC (K) ORDER CODE Y110165

Non-Optic MODEL AR-ECM (K) ORDER CODE Y110180

• For snap-on cups • 360° Rotation • Max Speed: 5,000 min⁻¹

4:1 Reduction



Non-Optic MODEL AR-ER4 (S) ORDER CODE Y110140

Non-Optic MODEL AR-ER4M (S) ORDER CODE Y110181

• For screw-in cups and brushes • 360° Rotation • Max Speed: 5,000 min⁻¹



Non-Optic MODEL EVA-ER4 ORDER CODE Y110141

Non-Optic MODEL EVA-ER4M ORDER CODE Y110182

• For Eva tips • Vertical Reciprocating (Stroke Length 1.4mm) • Max Speed: 10,000 min⁻¹

AR-ECM (S), AR-ECM (K), AR-ER4M (S) and EVA-ER4M can be washed in the thermodisinfector.

135°C Autoclavable up to 135°C

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EX Series Straight Handpieces

1:1 Direct Drive



Non-Optic MODEL **EX-6B** ORDER CODE **H260001**

• For HP burs (ø2.35) • Clean Head System • Max Speed: 40,000 min^{-1}



Non-Optic MODEL **EX-6D** ORDER CODE **H267001**

Non-Optic MODEL **EX-6DM** ORDER CODE **H267002**

• For HP burs (ø2.35) • Clean Head System • Max Speed: 40,000 min^{-1}

4:1 Reduction



Non-Optic MODEL **EX-5B** ORDER CODE **H262001**

Non-Optic MODEL **EX-5BM** ORDER CODE **H262002**

• For HP burs (ø2.35) • Clean Head System • Max Speed: 10,000 min^{-1}



MODEL **Spray Nozzle** ORDER CODE **H019711**

• For EX-6B, EX-5B (Optional)

EX-6DM and EX-5BM can be washed in the thermodisinfector.

135°C Autoclavable up to 135°C

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EX Series Endodontic Handpieces

External Water Spray

64:1 Reduction



Non-Optic MODEL MP-ER64 ORDER CODE Y110142

Non-Optic MODEL MP-ER64M ORDER CODE Y110183

• Miniature Head • For engine files • 360° Rotation
• Push Button Chuck • Max Speed: 300 min⁻¹



Non-Optic MODEL MPA-ER64 ORDER CODE Y110144

Non-Optic MODEL MPA-ER64M ORDER CODE Y110184

• Connection for Apex locator (Long shank files) • Miniature Head • For engine files
• 360° Rotation • Push Button Chuck • Max Speed: 300 min⁻¹



Non-Optic MODEL MPAS-ER64 ORDER CODE Y110146

Non-Optic MODEL MPAS-ER64M ORDER CODE Y110185

• Connection for Apex locator (Short shank files) • Miniature Head
• 360° Rotation • Push Button Chuck • Max Speed: 300 min⁻¹

MP-ER64M, MPA-ER64M and MPAS-ER64M can be washed in the thermodisinfector.

135°C Autoclavable up to 135°C

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100:1 Reduction

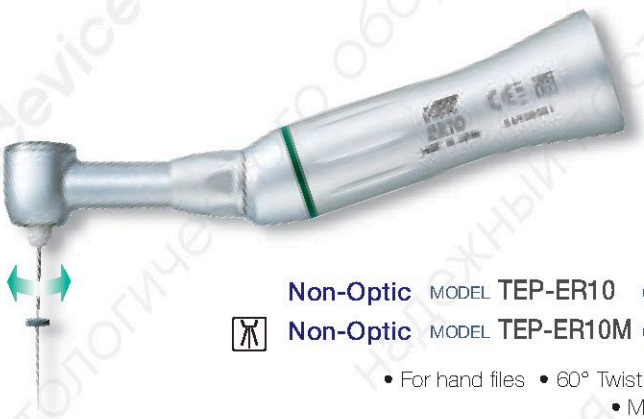


Non-Optic MODEL **NRS2-ER10** ORDER CODE **Y110143**

Non-Optic MODEL **NRS2-ER10M** ORDER CODE **Y110186**

- For engine files
- 360° Rotation
- Clean Head System
- Push Button Chuck
- 10:1 reduction handpiece & 10:1 reduction head
- Max Speed: 300 min^{-1}

10:1 Reduction



Non-Optic MODEL **TEP-ER10** ORDER CODE **Y110145**

Non-Optic MODEL **TEP-ER10M** ORDER CODE **Y110187**

- For hand files
- 60° Twist
- Push Button Chuck
- Max Speed: 4,000 min^{-1}



MODEL **Spray Nozzle** ORDER CODE **C032701**

- For TEP (Optional)

NRS2-ER10M, TEP-ER10M and X95EX can be washed in the thermodisinfector.

135°c Autoclavable up to 135°C

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