air turbines



https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

Which handpiece?

Choose the handpiece that matches your hand.

	Ti-Max Z 	Ti-Max X 	Ti-Max X450 	S-Max M 	S-Max pico 	Pana-Max2 
Rank	*Super Premium*	*Premium*	*Premium*	*Standard*	*Standard Plus*	*Economy*
Body	Titanium	Titanium	Titanium	Stainless	Stainless	Stainless
DURAGRIP	●					
DURACOAT		●	●			
Ceramic Bearings	●	●	●	●	●	●
Cellular Glass Optics	●	●	●	●	●	
Clean Head System	●	●	●	●	●	●
Push Button Chuck	●	●	●	●	●	●
Water Spray	Quattro	Quattro	Triple	Quattro	Single	Single
Microfilter	●					
Ergo Grip	●	●	●	●	●	●

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POWERFUL



Ti·Max Z

26W

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Ti-Max Z

Air Turbines Evolve to Become More Powerful

An easier to use, consistently powerful handpiece that allows for stress-free treatment- satisfying the needs of dental professionals and providing better patient comfort.
Ti-Max Z Air Turbine series feature the essential elements expected of high-performance handpieces at even a higher standard.
Based on the philosophy of consistently delivering products that exceed all expectations, the new handpieces, supported by non-compromising NSK product design and ultra-high precision processing technology, provide a new level of comfort to both clinicians and patients like never before.
With one of the most powerful air turbines at a 26W*power output, our technological innovation will revolutionize dental practice.

*Only Z900L



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STEADY

Steady High-Performance Creates a New Trend in Air Turbines



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Smooth Grinding Feel

The high-power output leads to an improved grinding feel for further trouble-free, comfortable use.



High Power 26W

A new specially-shaped rotor delivers 26W of high power and reduces treatment time.



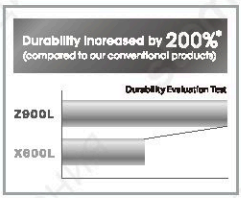
Interchangeable Cartridge

The cartridges can be easily replaced by clinicians chair-side, which reduces downtime and maintains office productivity. The high level of durability of the cartridges ensures a sense of comfort in cutting operations that only a high-power motor can maintain.



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.



Excellent Durability

Newly developed bearings dramatically increase stability and durability and reduce running costs.

*Data on the durability of bearings



Improved Handling

An ergonomic body shape and the introduction of new DURAGRIP coating provide superior grip and handling comfort.

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& DURABLE

High-power, markedly durable air turbines that help maintain comfort for a long period of time



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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 • Interchangeable Cartridge
- Microfilter

Connect to NSK Couplings



LED



Quattro Spray



Optic MODEL Z900L ORDER CODE P1111

Non-Optic MODEL Z900 ORDER CODE P1133

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

Connect Direct to KaVo® MULTIflex®



LED



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

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Ti-Max X

eXtreme Premium Series

The Satisfaction of Knowing You Own the Best

NSK has designed and manufactured the world's premium quality high performance turbine handpiece that is in total harmony with the human. Ti-Max X turbine handpieces regularly exceed the expectation of dental professionals all over the world and are outstanding in comparison to all others.





NSK Dual Air Jet

The NSK Dual Air Jet turbine generates up to an unrivalled 22W of power. Two narrow air jets propel the turbine blades which catch the air stream more effectively giving more rotating momentum.

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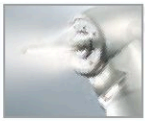
Ti-Max X

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

Connect to NSK Couplings



LED



Quattro Spray



Optic MODEL X500L ORDER CODE P495

Non-Optic MODEL X500 ORDER CODE P861

Miniature Head : Power : 17 W, Speed : 390,000~450,000 min⁻¹, Head Size : ø10.3 x H11.7 mm

• **Short shank burs only**



Optic MODEL X600L ORDER CODE P496

Non-Optic MODEL X600 ORDER CODE P862

Standard Head : Power : 21 W, Speed : 380,000~440,000 min⁻¹, Head Size : ø 11.2 x H13.6 mm



Optic MODEL X700L ORDER CODE P497

Non-Optic MODEL X700 ORDER CODE P863

Torque Head : Power : 22 W, Speed : 300,000~360,000 min⁻¹, Head Size : ø13.2 x H13.6 mm

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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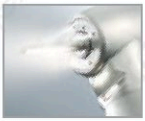
Ti-Max X

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

Connect Direct to KaVo® MULTIflex®



LED



Quattro Spray



Optic MODEL **X500KL** ORDER CODE **P857**

Miniature Head : Power : 16 W, Speed : 390,000~450,000 min-1, Head Size : ø10.3 x H11.7 mm

• Short shank burs only



Optic MODEL **X600KL** ORDER CODE **P858**

Standard Head : Power : 18 W, Speed : 380,000~440,000 min-1, Head Size : ø 11.2 x H13.6 mm



Optic MODEL **X700KL** ORDER CODE **P859**

Torque Head : Power :19 W, Speed : 300,000~360,000 min-1, Head Size : ø13.2 x H13.6 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

Miniature Head : Power : 16 W, Speed : 390,000~450,000 min⁻¹, Head Size : ø10.3 x H11.7 mm **Short shank burs only**
Standard Head : Power : 18 W, Speed : 380,000~440,000 min⁻¹, Head Size : ø11.2 x H13.6 mm
Torque Head : Power : 19 W, Speed : 300,000~360,000 min⁻¹, Head Size : ø13.2 x H13.6 mm





LED Sirona® LED Coupling

Miniature Optic MODEL X500SL ORDER CODE P840
Standard Optic MODEL X600SL ORDER CODE P841
Torque Optic MODEL X700SL ORDER CODE P842

LED Compatible Turbines with Integral LED





W&H® Roto Quick

Miniature Optic MODEL X500WLED ORDER CODE P1100
Standard Optic MODEL X600WLED ORDER CODE P1101
Torque Optic MODEL X700WLED ORDER CODE P1102

LED Compatible Turbines with Integral LED





Bien-Air® Unifix®

Miniature Optic MODEL X500BLED ORDER CODE P1097
Standard Optic MODEL X600BLED ORDER CODE P1098
Torque Optic MODEL X700BLED ORDER CODE P1099

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

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S-Max M

coMfortable Performance Series



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 realize what dentists need in their practice.
NSK 'ISB' (Integrated Shaft Bearings) reduce vibration and guarantee more accurate and consistent cutting. 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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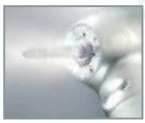
S-Max M

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

Connect to NSK Couplings



LED



Quattro Spray



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

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S-Max M

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

Connect Direct to KaVo® MULTIflex® LED



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 : 17 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

Miniature Head : Power : 16 W, Speed : 380,000~450,000 min-1, Head Size : ø10.6 x H12.4 mm
Standard Head : Power : 17 W, Speed : 360,000~430,000 min-1, Head Size : ø12.1 x H13.3 mm





LED Sirona® LED Coupling

Miniature Optic MODEL M500SL ORDER CODE P1009

Standard Optic MODEL M600SL ORDER CODE P1010

LED Compatible Turbines with Integral LED





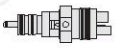
W&H® Roto Quick

Miniature Optic MODEL M500WLED ORDER CODE P1095

Standard Optic MODEL M600WLED ORDER CODE P1096

LED Compatible Turbines with Integral LED





Bien-Air® Unifix®

Miniature Optic MODEL M500BLED ORDER CODE P1056

Standard Optic MODEL M600BLED ORDER CODE P1057

Washable in the thermodisinfector

135°C Autoclavable up to 135°C

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Air Turbines

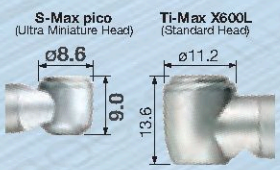
S-Max pico

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







Improve the accuracy of operation with the microscope

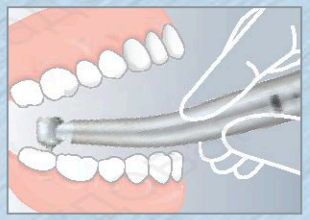


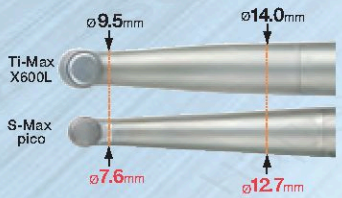
The ultra mini head delivers expanded operational visibility and greater flexibility. Patient comfort is increased.

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
- ISB Turbine
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- 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

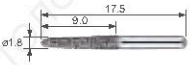
pico bur product lineup



MODEL PC1 ORDER CODE Y1001817
• Pack of 3



MODEL PC2 ORDER CODE Y1001818
• Pack of 3



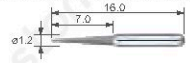
MODEL PC3 ORDER CODE Y1001819
• Pack of 3



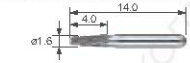
MODEL PC3ff ORDER CODE Y1002019
• Extra fine bur • Pack of 3



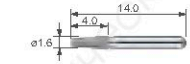
MODEL PC4 ORDER CODE Y1001820
• Pack of 3



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



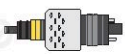


LED Sirona® LED Coupling

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

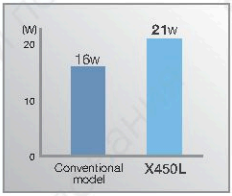
The 45-degree angled head offers excellent accessibility and visibility during root separation procedures and the removal of hard tissue covering impacted third molars.

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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.



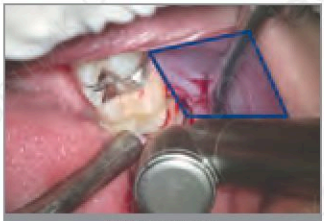
Triple Water Jets & Cellular Glass Optics

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



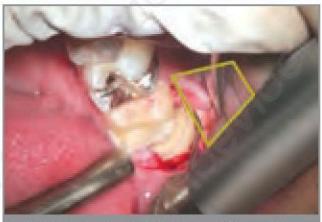
The Ti-Max X450 permits optimal access to molars and a diverse range of operative procedures.

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 feel delicate tactile sense while cutting difficult. 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 • ISB Turbine
• 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 bur (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 bur (25mm) only**





LED KaVo® LED Coupling

Optic MODEL X450KL ORDER CODE P1079



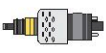


LED Sirona® LED Coupling

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

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

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

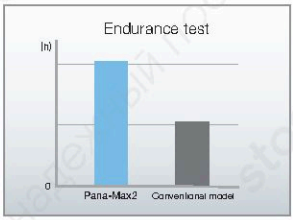
Built to excel in clinical situations. Featuring a scratch-resistant stainless steel body and sturdier turbine head.

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.



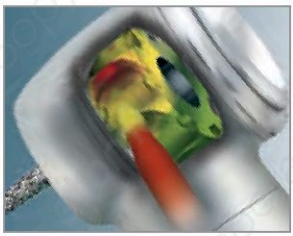
Exceptional longevity.

Newly designed bearing structure with greater wear 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.



https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

Pana-Max2

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

Connect to NSK Couplings





Single Spray



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

Autoclavable up to 135°C

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Direct-connect / Screw-on type



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

Speed : 380,000~480,000 min-1, Head Size : ø11.2 x H13.4 mm

• Midwest 4 hole



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

Speed : 380,000~480,000 min-1, Head Size : ø11.2 x H13.4 mm

• Borden 2 hole

Washable in the thermodisinfector

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 Sets



MODEL **PTL Optic Pack (120V)** ORDER CODE **Y103722**

MODEL **PTL Optic Pack (230V)** 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 (120V)** ORDER CODE **U360033**

MODEL **PTL Adaptor (230V)** ORDER CODE **U360032**



MODEL **PTL-4HP** ORDER CODE **P405**
• Optic Hose • LUX Coupling

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