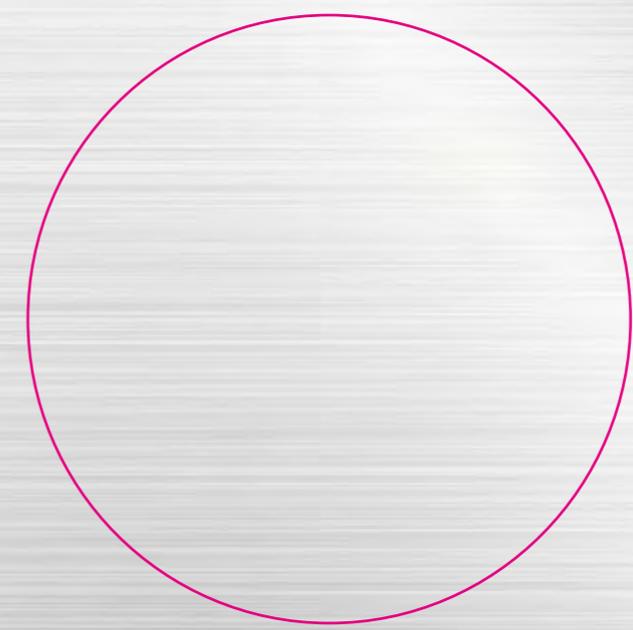
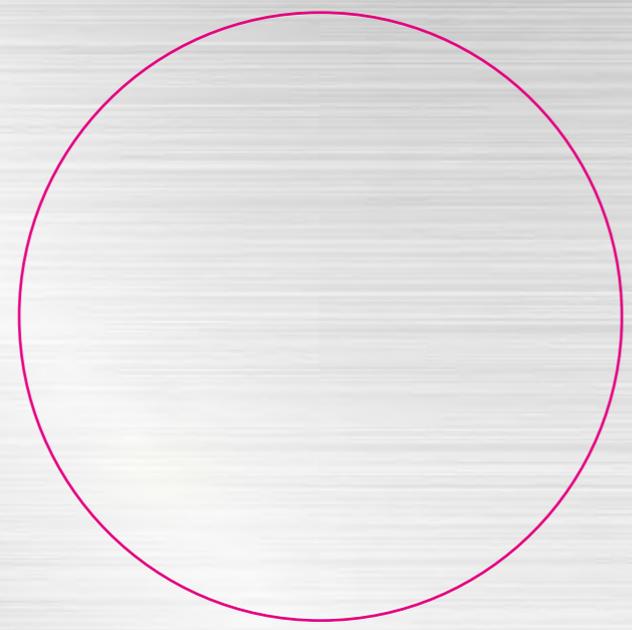


Ti-Max X Series

CONTRA-ANGLES



AIR TURBINES

Ti-Max X Series

Ti-Max X

eXtreme Premium Series

AIR TURBINES

THE SATISFACTION OF KNOWING YOU OWN THE BEST

NSK have 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.



Ti-Max X

eXtreme Premium Series

AIR TURBINES

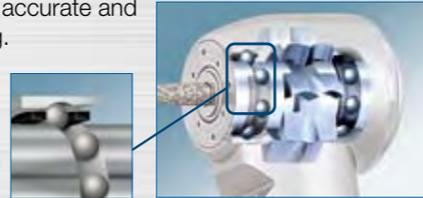
Clean Head System



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 "ISB" Integrated Shaft Bearings

In the NSK ISB, the shaft itself forms the inner race. Unification of the shaft and the inner race provide higher rigidity which in reduces vibration and guarantees more accurate and consistent cutting.



Quattro Water Spray & Cellular Glass Optics



The NSK Quattro Water Spray effectively cools the entire operating field whilst the cellular glass optic rod delivers light exactly where it is needed.

Pressure Regulating Valve

The internal pressure regulating valve maintains a stable supply of pressure to the handpiece head section, preventing premature deterioration of the rotor due to excessive rotational pressure.

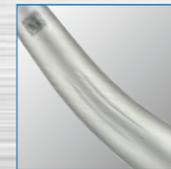


NSK Dual Air Jet



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.

Solid Titanium Body



Titanium is 30% lighter than stainless steel, more durable and corrosion resistant. The reduced weight and well balanced shape give an unmatched tactile sense.

NSK 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.



PTL-CL-LED

- Stable
- Durable
- Clearer

Just by changing your coupling for a NSK LED coupling you can introduce the latest technology to your treatment and benefit from unmatched illumination.

LED Couplings

PTL-CL-LED
PTL-CL-LED III
KCL-LED
SCL-LED

Air Turbines

M600WLED
M600BLED

Ti-Max X

eXtreme Premium Series
AIR TURBINES



Connect to NSK Couplings



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: **X500L** ORDER CODE: **P495**
Non-Optic MODEL: **X500** ORDER CODE: **P861**

Standard Head

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



Optic MODEL: **X600L** ORDER CODE: **P496**
Non-Optic MODEL: **X600** ORDER CODE: **P862**

Torque Head

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



Optic MODEL: **X700L** ORDER CODE: **P497**
Non-Optic MODEL: **X700** ORDER CODE: **P863**

Washable in the
thermodisinfector

135°C
Autoclavable
up to 135°C

Ti-Max X Connect Direct to KaVo® MULTiflex® LUX

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: **X500KL** ORDER CODE: **P857**

Standard Head

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



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

Torque Head

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



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



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

• For KaVo® MULTiflex® LUX (water volume adjuster)

Washable in the thermodisinfectant
Autoclavable up to 135°C

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



MODEL: **SCL-LED**
ORDER CODE: **P1009600**
• For Sirona® Joint with optical (water volume adjuster)

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



Standard: **Optic** MODEL: **X600WLED** ORDER CODE: **P1101001**



Standard: **Optic** MODEL: **X600BLED** ORDER CODE: **P1098001**

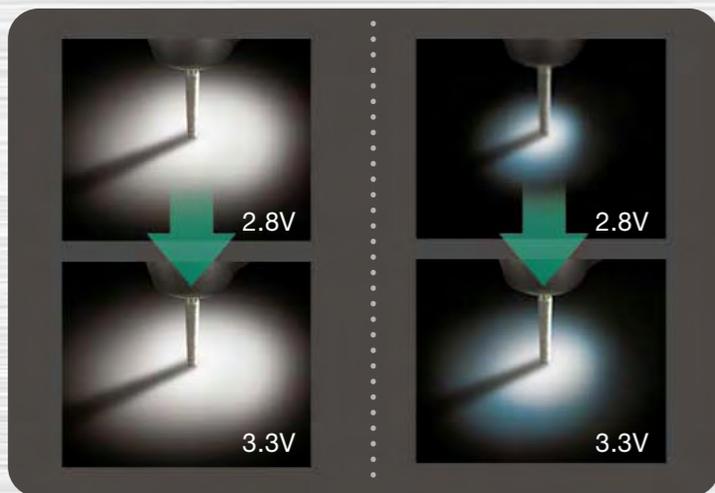
Washable in the thermodisinfectant
Autoclavable up to 135°C

Sirona® is a registered trademark of Sirona Dental Systems GmbH.
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.



Concentrated NSK LED light delivers clearer visibility with your existing turbines

Just by changing your coupling for a NSK LED coupling you can introduce the latest technology to your treatment and benefit from unmatched illumination.



NSK LED Coupling

Bulb Exchange system
(Halogen Bulb → LED Bulb)

Stable

PCB controls input voltage from unit chairs and provides stable illumination.

Durable

LED light sources are longer lasting and more durable than halogen bulbs.

Clearer

LEDs generate natural daylight quality light which assures clearer vision when compared to halogen light.



LED Couplings • Titanium Coating



MODEL: **PTL-CL-LED**
ORDER CODE: **P1001600**
• For NSK Joint with optical

MODEL: **PTL-CL-LED III**
ORDER CODE: **P1001601**
• For NSK Joint with optical
(water volume adjuster)

MODEL: **KCL-LED**
ORDER CODE: **P1005600**
• For KaVo® MULTIflex® LUX
(water volume adjuster)

MODEL: **SCL-LED**
ORDER CODE: **P1009600**
• For Sirona® Joint with optical
(water volume adjuster)

Ti-Max X

eXtreme Premium Series
AIR TURBINES



Ti-Max X
eXtreme Premium Series
CONTRA-ANGLES

Ti-Max X 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)
 • 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
 • Max Speed: 2,500 min⁻¹

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

Straight Handpiece



Optic MODEL: **X65L** ORDER CODE: **H273**
1:1 Direct Drive
 • Single Spray
 • For HP burs (ø2.35)
 • For CA burs (ø2.35)*
 • *Need to insert the supplied bur stopper
 • Max Speed: 40,000 min⁻¹

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

Ti-Max X



Single Water Spray



Optic MODEL: **X85L** ORDER CODE: **C604**
Non-Optic MODEL: **X85** ORDER CODE: **C614**
1:5 Increasing
 • Single Spray • Miniature Head
 • For FG burs (ø1.6) • Max Speed: 200,000 min⁻¹
 *Short Shank burs only



Optic MODEL: **X20L** ORDER CODE: **C605**
Non-Optic MODEL: **X20** ORDER CODE: **C615**
1:1 Direct Drive
 • Single Spray • For FG burs (ø1.6)
 • Max Speed: 40,000 min⁻¹



Optic MODEL: **X10L** ORDER CODE: **C603**
Non-Optic MODEL: **X10** ORDER CODE: **C613**
16:1 Reduction
 • Single Spray • For CA burs (ø2.35)
 • Max Speed: 2,500 min⁻¹



Optic MODEL: **X12L** ORDER CODE: **C606**
Non-Optic MODEL: **X12** ORDER CODE: **C616**
10:1 Reduction
 • Single Spray • For CA burs (ø2.35)
 • Max Speed: 4,000 min⁻¹

Washable in the thermodisinfectant Autoclavable up to 135°C

Endodontic Handpieces



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 • Max Speed: 4,000 min⁻¹



QF Adaptor included
 Suitable for both hand and engine files to give you greater flexibility and cost-effectiveness



Optic MODEL: **X70L** ORDER CODE: **C622**
Non-Optic MODEL: **X70** ORDER CODE: **C626**
64:1 Reduction
 • Single Spray • For Ni-Ti File • 360° Rotation
 • Max Speed: 300min⁻¹



Optic MODEL: **X75L** ORDER CODE: **C623**
Non-Optic MODEL: **X75** ORDER CODE: **C627**
128:1 Reduction
 • Single Spray • For Ni-Ti File • 360° Rotation
 • Max Speed: 300min⁻¹

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

Washable in the thermodisinfectant Autoclavable up to 135°C

Ti-Max X

eXtreme Premium Series

CONTRA-ANGLES



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)
- Max Speed: 200,000 min⁻¹



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



Ti-Max X

eXtreme Premium Series

CONTRA-ANGLES

Quiet and no vibration

NSK ultra-precision micro machining technology know-how has been applied to design an internal gearing system that remarkably reduces noise and vibration to the lowest level resulting in improved comfort for patients and clinicians.

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 / X85L / X85)

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.



Quattro Water Spray & Cellular Glass Optics



The NSK Quattro Water Spray effectively cools the entire operating field whilst the cellular glass optic rod delivers light exactly where it is needed. (Quattro Water Spray: X95L / X95)

Solid Titanium Body



Titanium is 30% lighter than stainless steel, more durable and corrosion resistant. The reduced weight and well balanced shape give an unmatched tactile sense.

NSK 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.

Ti-Max X

eXtreme Premium Series

CONTRA-ANGLES

FEEL THE SATISFACTION OF X SERIES PERFORMANCE

NSK X Series contra-angles feature the latest technology combined with elegant yet ergonomic design. X Series contra-angles have been designed without compromise paying attention to every last detail. Best possible access to the operating field and maximum visibility were the most important criteria during the design process of the instrument body. Unrivalled reliability and superior operator and patient comfort reflect all the know how which has been built into each and every model of the NSK Ti-Max X Series.



Specifications are subject to change without notice. [2010.2]

NSK www.nsk-inc.com

