



**UNICORN**  
**DenMart**  <sup>®</sup>  
Behind The Best Indian Dentists

# DENTAL HANDPIECE

# DynaLED

Self Illuminating LED



**UPGRADE TO OPTIC**

NSK DynaLED turbine handpieces take advantage of NSK micro precision engineering, resulting in high performance and long term reliability. These innovative turbines include a dynamic integrated mini power generator which delivers long life and daylight quality LED illumination when connected to any standard non optic air tubing. Clinicians can instantly gain the advantage of LED illumination on their existing or new dental equipment, simply for the cost of the turbine. NSK has chosen stainless steel for DynaLED turbines to give high priority for durable, stable and long term function.

NSK long life micro power generator high efficiency and long term durability

- NSK has applied the very latest technologies and materials to achieve long term efficiency and reliability.
- Micro power generator is electronically calculated to produce the correct power source for highly effective LED illumination.
- The performance of the handpiece is not influenced by the micro power generator.

Standard MODEL **M600LG B2** ORDER CODE **P1106**   
 Borden 2 hole

Miniature MODEL **M500LG B2** ORDER CODE **P1107**   
 Borden 2 hole

**LED**



**LED**



# FX Plus

Powerful all the way

- Stainless Steel Body • Ceramic Bearing • Clean Head System • Push Button Chuck • Quattro Spray • Simple Cartridge Change

Miniature Model **FXP-MU QD** ORDER CODE **PA2304** Power: 23W

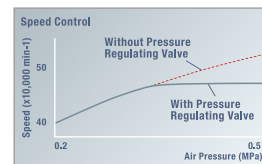
Miniature Head: Speed: 380,000-450,000 min<sup>-1</sup>, Head Size: Ø10.6 X H12.4mm • Both standard and short shank burs are applicable

Standard Model **FXP-SU QD** ORDER CODE **PA2305** Power: 26W

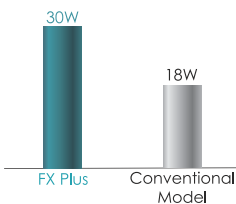
• Standard Head: Speed: 325,000-410,000 min<sup>-1</sup>, Head Size: Ø12.1 X H13.3 mm



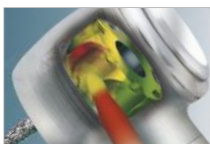
**Quattro Spray**  
Enhanced cooling effect



**Air Pressure Regulating Valve:** Maintain stable supply of pressure



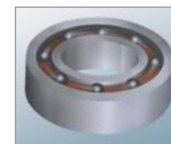
30 Watt - High Rotational accuracy



**60% Power Boost:** Ensure fast & Precise Treatment



**Clean Head System**  
Prevents cross contamination



**Ceramic Bearings**  
Less heat generation & smooth functioning

# S-Max M

Incomparable Powerful Cutting and Superb Grip



## Straight Handpiece



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

**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 • Anti Heat System  
• Max Speed : 200,000 min<sup>-1</sup>

**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<sup>-1</sup>

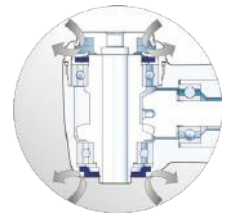
**Non-Optic** MODEL **M65** ORDER CODE **H1008**

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

# S-Max SG20

## Contra Angle 20:1 Reduction

- Unique Locking Mechanism
- Stress-less Body Shape
- Excellent Durability
- Gear Ratio : 20:1 Reduction
- Water Spray : External and Internal Cooling (Kirschner and Meyer)
- Body Material : Stainless Steel
- Max Speed : 2,000 min<sup>-1</sup>
- Max Torque : 80 Ncm

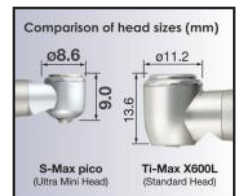
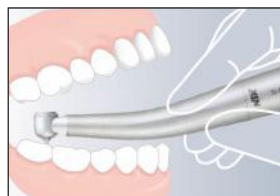


Double Sealing System

NSK SG20 is a Non-optic handpiece comes with double sealing system to provide excellent durability & autoclavability.

# S-Max pico

## The World's Smallest Head



## Connect to NSK Couplings



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

NSK has developed special ultra short shank burs to operate specifically with the pico handpiece.

- Stainless steel body
- Ceramic bearings
- Single spray
- Power 9 W
- Speed 360,000~450,000 RPM
- Push Button chuck

## TORNADO HIGH SPEED AIR ROTOR HANDPIECE

- Speed 3,50,000 - 4,30,000 RPM
- Light weight
- Available with Mini Head, Standard Head, Super Torque & Super Torque with Push Button



## TORNADO LOW SPEED MICRO MOTOR HANDPIECE

- Speed 35,000 - 40,000 RPM
- Light weight
- Available with Straight & Contra Angle



## External Irrigation Low Speed Dental Handpiece

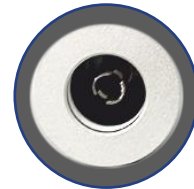
### Straight Head

ORDER: SEN-08C

CE: 1024-B2



- Ergonomic Design
- Smaller head and enhanced technology
- Smooth operation
- Comfortable Grip
- Used for Pre-clinical Lab work
- Rust Free
- Swivel ring type
- 1:1 Gear Ratio
- **Bur size:** Ø 2.35mm
- Maximum speed of 20,000 min-1
- Autoclavable at 135° Celsius



### Surgical Handpiece

### Surgical Straight Head

ORDER: SEN-05C

CE: 1024-B2



- The surgical straight handpieces have been specially designed for oral and maxillofacial surgery and implantology
- Smooth operation, Comfortable Grip
- 1:1 Gear Ratio with external irrigation
- **Bur size:** Ø 2.35mm
- Maximum speed of 20,000 min-1
- Autoclavable at 135° Celsius



## Internal Irrigation Low Speed Dental Handpiece

### Straight Head

 FIBER OPTIC

ORDER: SIF-01C

CE: 1020L-M4

- Premium Quality Handpiece
- Bur stopper included for precise and controlled cutting
- Smaller head & enhanced technology with Fiber Optic
- Ergonomic design for a comfortable grip
- Constructed with high-quality raw materials
- 1:1 Gear Ratio with Internal irrigation for efficient & precise cooling
- **Bur size:** Ø 2.35mm
- Maximum speed of 40,000 min<sup>-1</sup>
- Autoclavable at 135° Celsius



## Internal Irrigation Low Speed Dental Handpiece

### Straight Head

ORDER: SIN-03C

CE: 1020-M4

- Premium Quality Handpiece
- Bur stopper included for precise and controlled cutting
- Ergonomic design for a comfortable grip
- Constructed with high-quality raw materials
- 1:1 Gear Ratio with Internal irrigation for efficient and precise cooling
- **Bur size:** Ø 2.35mm
- Maximum speed of 40,000 min<sup>-1</sup>
- Autoclavable at 135° Celsius



## Increasing Dental Handpiece

### 1:5 Fiber Optic Contra Angle I05F-01C

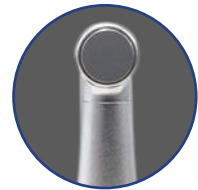


FIBER OPTIC

CE: 1024L-M4



- More stable with lower noise
- Powerful cutting force, greatly shorten the treatment time
- Fiber optic ensures clear vision
- 1:5 Increasing Gear Ratio
- Internal irrigation for efficient and precise cooling
- **Bur size:** Ø 1.60mm
- Maximum speed of 200,000 min-1
- Autoclavable at 135° Celsius



## Air Motor

### Surgical Straight Head

ORDER: BEN-02C

CE: 1024-B2



- Motion 360° rotation of the contra-angle handpiece on the motor
- Rust Free Corrosion Resistant
- **Air pressure:** 245-392 kPa
- Atomize water pressure: 200kPa
- E-type ISO international standard
- Maximum speed of 20,000 min-1
- Autoclavable at 135° Celsius

## High Speed Dental Handpiece

### Torque Head

ORDER: CK-08-B2

CE: 2305P-B2



- Stainless steel body for durability and corrosion resistance
- Ceramic bearings for smooth operation and extended lifespan
- Single spray system for effective cooling and irrigation
- Push Button chuck for easy bur changes
- Non-LED design for cost-effectiveness
- Inbuilt Clean head System for infection control
- **Bur size:** Ø 1.60 mm
- **Rotation speed:** 320,000-350,000min-1
- Autoclavable at 135° Celsius



## High Speed Dental Handpiece

### 45° Handpiece

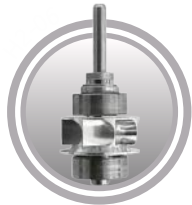
ORDER: 45SPN-B-B2

CE: 2300P-45B

Extended burs available

Easy detachable structure

Single water spray accurate cooling the tip of bur



- The unique 45° angle provides improved access to difficult-to-reach areas in the oral cavity, enhancing precision during dental procedures.
- Powerful cutting force, greatly shorten the treatment time.
- **Reliable Build:** Constructed with high-quality materials to ensure durability and long-lasting performance in a dental practice.



## Mini High Speed Dental Handpiece



**Clean head system, stop blood & foreign matter from entering the head**

ORDER: MPN1-U-B2

CE:2303PL-B2

- Mini head is designed for children, easy to operate
- Ceramic bearings for smooth operation & extended lifespan
- Single spray system for effective cooling & irrigation
- Push Button chuck for easy bur changes
- Non-LED design for cost-effectiveness
- Inbuilt Clean head System for infection control
- **Bur size:** Ø 1.60 mm
- **Rotation speed:** 360,000-400,000 r/min
- Autoclavable at 135° Celsius



H2-02

## Mini LED High Speed Dental Handpiece



LED



H2-02

ORDER: MPL1-U-B2

CE: 2303PL-M4

- Anti back suction
- Rotation speed: 360,000-400,000r/min
- E-generator
- Self-illuminated
- Single water spray
- **Ultra Mini Head Design:** The Ultra mini head design provides excellent access to tight and hard-to-reach areas of the oral cavity, allowing for more precise dental work
- **Chuck Type:** It utilizes a chuck mechanism that securely holds dental burs and tools, ensuring they remain in place during procedures
- **High Precision:** This airtor offers high precision and accuracy, making it suitable for a wide range of dental treatments, including restorative and prosthodontic procedures
- **Smooth Operation:** The handpiece operates smoothly, reducing patient discomfort and providing better control for the dentist
- **Autoclavable:** The airtor can be autoclaved, simplifying the sterilization process and maintaining strict infection control standards
- **Durable Construction:** It is constructed with durable materials to withstand the rigours of daily dental practice

## LED High Speed Dental Handpiece

ORDER: TPL3-W-B2

CE: 2300PL-M4



- Rotation speed: 300,000-350,000 r/min
- Triple spray
- Noise:  $\leq 60$ dB
- Head height: 13.3mm
- **Super Torque:** The Airtor boasts exceptional torque, allowing for efficient tooth preparations, cavity preparations, and various dental procedures. Its powerful performance ensures quick and accurate results.
- **Push Button Operation:** The push-button mechanism simplifies tool changes during procedures. With a single press, you can release the current attachment, replace it with another, and secure it firmly in place, streamlining your workflow.
- **LED Illumination:** This model features built-in LED illumination, providing clear and shadow-free lighting of the treatment area. The bright LED light enhances visibility, allowing for precise and detailed work even in hard-to-reach areas of the mouth.
- **Ergonomic Design:** Airtor is designed with ergonomics in mind, ensuring a comfortable grip and reduced hand fatigue during prolonged procedures. Dentists can work with precision while maintaining patient comfort.
- **Versatile Compatibility:** It is compatible with standard dental burs and attachments, making it suitable for a wide range of dental applications, including restorative and surgical procedures.

## External Irrigation Low Speed Dental Handpiece

ORDER: CEN-01C

CE: 1024-B2



- **Chuck Type:** Push-button type, which allows for quick and easy changing of burs and other attachments
- **Head Size:** Small, which allows for better access to hard-to-reach areas of the mouth
- **Noise Level:** Designed to operate quietly, which can be beneficial for both the patient and the dentist
- **Weight:** Light and ergonomic, which can help to reduce hand fatigue and improve overall comfort during use
- **Max speed:** 20,000 r/min
- Autoclavable at 135° Celsius



## Surgical Handpiece For Implant

**Max Torque: 70N.cm**

ORDER: R20L-01C(201L)

CE: 3201CH



- Independent power supply with integrated generator
- Longer life compared to conventional LED bulbs
- Fatigue-free working thanks to optimal ergonomics
- Durable and robust
- 20:1 Reduction Gear Ratio
- Internal /external irrigation
- **Bur size:** Ø 2.35 mm
- Maximum speed of 2,000 min<sup>-1</sup>
- Autoclavable at 135° Celsius



## Increasing Dental Handpiece

ORDER: R20N-04C (201N)

CE: 3203CH



- Easy detachable structure
- Fatigue-free working thanks to optimal ergonomics
- Durable and robust
- 20:1 Reduction Gear Ratio
- Internal /external irrigation
- **Bur size:** Ø 2.35 mm
- **Maxtorque :** 80N.cm
- Maximum speed of 2,000 min<sup>-1</sup>
- Autoclavable at 135° Celsius



## External Irrigation Low Speed Dental Handpiece

ORDER: CEN-21C

CE: 1024-B2



- Premium Quality Handpiece
- Smaller head and enhanced technology
- Ergonomic design for a comfortable grip
- Constructed with high-quality raw materials, Long life span
- **Bur size:** Ø 2.35 mm
- **Max speed:** 20,000 r/min
- Autoclavable at 135° Celsius



## External Irrigation Low Speed Dental Handpiece

ORDER: CEN-08C

CE: 1024-B2



- Ergonomic Design
- Smaller head and enhanced technology
- Push button
- Material Made up of Stainless steel
- Rust Free Corrosion
- **Bur size:** Ø 2.35 mm
- **Max speed:** 20,000 r/min
- Autoclavable at 135° Celsius



## Hi-Clean Spray

Hi-Clean Spray is a specially formulated, highly effective general handpiece and air motor lubricant. Frequent application of Hi-Clean will assure handpiece and air motor performance and durability. Apply Hi-Clean Spray every time before autoclaving any handpiece / air motor



## Multi Nozzle Adaptor for Effective Lubrication







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 [www.unicorndenmart.com](http://www.unicorndenmart.com)

\* Accessories shown may not be a part of standard equipment. Specifications are subject to change without notice.

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