

Create it 

# Ti-Max Z micro

Air Turbine



**NSK**

SMALL SIZE,  
BIG PERFORMANCE.



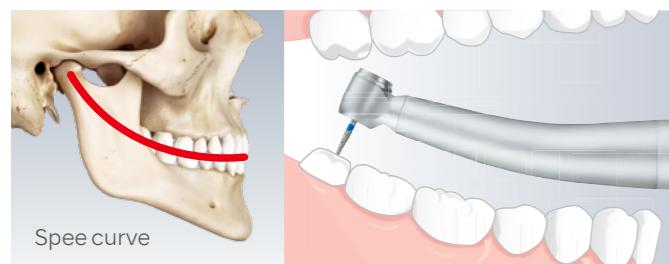
Small is the new big with the Ti-Max Z micro. It's 9.0mm diameter mini head produces a staggering 20W of pure power while a 100° head angle maximizes ease of use and ensures access to the tightest spots. Unwanted suckback is eliminated with the own original Clean Head System and the newly engineered Quick Stop system ensures patient safety. If you're looking for big performance in a small handpiece, you can stop looking- the powerful, compact Ti-Max Z micro is here.

Ti-Max Z micro Air Turbine

# USABILITY

## Good accessibility using the mini type + 100° angle head.

The 100° angle head allows smoother access to the molar area. The mini head ensures a wide field of vision. The design is based upon the physiological shape of the oral cavity, facilitating low-stress operations when the molar area is accessed.



### Head angle allows for easy

Usability has been improved for more effective access without hitting the front teeth, even when grinding in the molar region.

### Comparison with the Ti-Max Z800L



### Light weight body is easier to handle.

All Z micro handpieces weigh less than 40 g. This light weight body provides less stress and ease of use for the clinician.

### High coolant with 4 post spray.

Small head and 4 port spray reduces the risk of heating.

# POWER

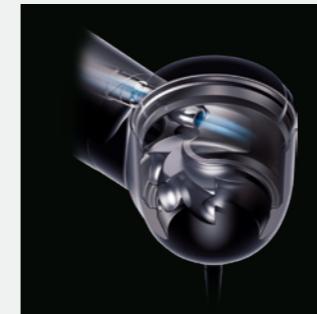
## The mini head is also high-powered at 20W

The Z micro, even with its mini head, uses original 3X-Power System technology that assists with a variety of high torque cutting operations.

# 3X-Power System

### Ex<sup>t</sup>ended Cylindrical Nozzle

The optimized nozzle structure generates a stable air flow and reduces air loss. It converts air into rotatory power with high efficiency.



### Ex<sup>p</sup>anded Rotor Bucket

The face of rotor is 100% wider compared to the convention model. The wide bucket surface receives air efficiently and achieves high torque.



### Ex<sup>p</sup>anded Exhaust Groove

The expanded exhaust groove quickly discharges the air received in the rotor bucket. The smooth evacuation of the air improves torque in the low rotation speed range.



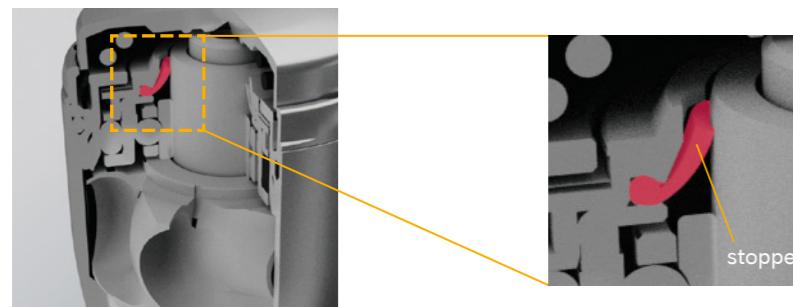
### Powerful high torque cutting is achievable even with the mini head.

With the powerful cutting ability of the mini head, removal of a metal crown is also easy. The Z micro proves effective even for the torque requirements for operation in the narrow upper and lower jaw molar area.

# SAFETY

## Quick Stop Function

The Quick Stop Function stops high speed rotation in around 1 second. It improves safety in the oral cavity by halting drill spin. In turn making efficient high speed cutting and incredibly safe operations possible.



When the air supply is started, The rubber of the stopper floats due to the increase of the air pressure inside of the head. When the air supply is stopped, the stopper touches the rotating shaft and brakes.

# INFECTION CONTROL

## Clean Head System

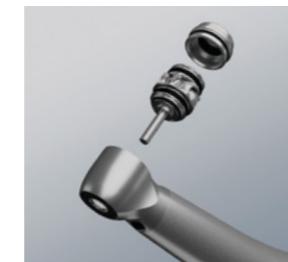
The NSK original labyrinth mechanism drastically reduces suck back into the air turbines.



# MAINTENANCE

## Easily maintained

Cartridges can be easily changed by own. This reduces repair time and cost. The water channel can be easily cleaned and maintained.



- Titanium Body & DURAGRIP • Cellular Glass Optics • Ceramic Bearing • Clean Head System
- Push Button Chuck • Quattro Water Spray • 3X-Power System • Quick Stop • Simple Cartridge Change



### NSK Coupling

Head	Optic	MODEL	ORDER CODE
Micro	●	Z micro	PA2357

- Power: 20 W • Speed: 380,000-450,000 min<sup>-1</sup>
- Head Size: Ø9.0 x H 10.8 mm
- Dual use for regular standard bur / short shank bur



### KaVo® Coupling

Head	Optic	MODEL	ORDER CODE
Micro	●	Z micro KL	PA2358

- Power: 20 W • Speed: 380,000-450,000 min<sup>-1</sup>
- Head Size: Ø9.0 x H 10.8 mm
- Dual use for regular standard bur / short shank bur



### Sirona® Coupling

Head	Optic	MODEL	ORDER CODE
Micro	●	Z micro SL	PA2359

- Power: 20 W • Speed: 380,000-450,000 min<sup>-1</sup>
- Head Size: Ø9.0 x H 10.8 mm
- Dual use for regular standard bur / short shank bur

## SPARE PARTS

MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE
SX-NU03	Cartridge for Micro head	PA2307X001	PTL O-ring Set (Pack of 5)	○○○○○	Y900580	SX-NU04	Head cap for Micro head	PA2307X050
SX-NU04	Head cap for Micro head	PA2307X050	SX-NU05	Head cap wrench for Micro Head	PA2307X765	Cleaning Wire		Z144095

KaVo and Multiflex are registered trademarks of KaVo Dental GmbH.  
Dentsply Sirona and Sirona are registered trademarks of Dentsply Sirona Inc.

NAKANISHI INC. [www.nsk-dental.com](http://www.nsk-dental.com)  
700 Shimohinata, Kanuma, Tochigi 322-8666, Japan

NSK Europe GmbH [www.nsk-europe.de](http://www.nsk-europe.de)  
Elly-Beinhorn-Strasse 8, 65760 Eschborn, Germany

NSK United Kingdom Ltd. [www.nsk-uk.com](http://www.nsk-uk.com)  
Office 4, Gateway 1000, Arlington Business Park  
Whittle Way, Stevenage, SG1 2FP, UK

Specifications are subject to change without notice.

