



CREATE IT.

Ti·Max Z

Air Turbine Series

THE
POWERFUL
ANSWER



POWERFUL

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

Ti-Max Z Air Turbine Series

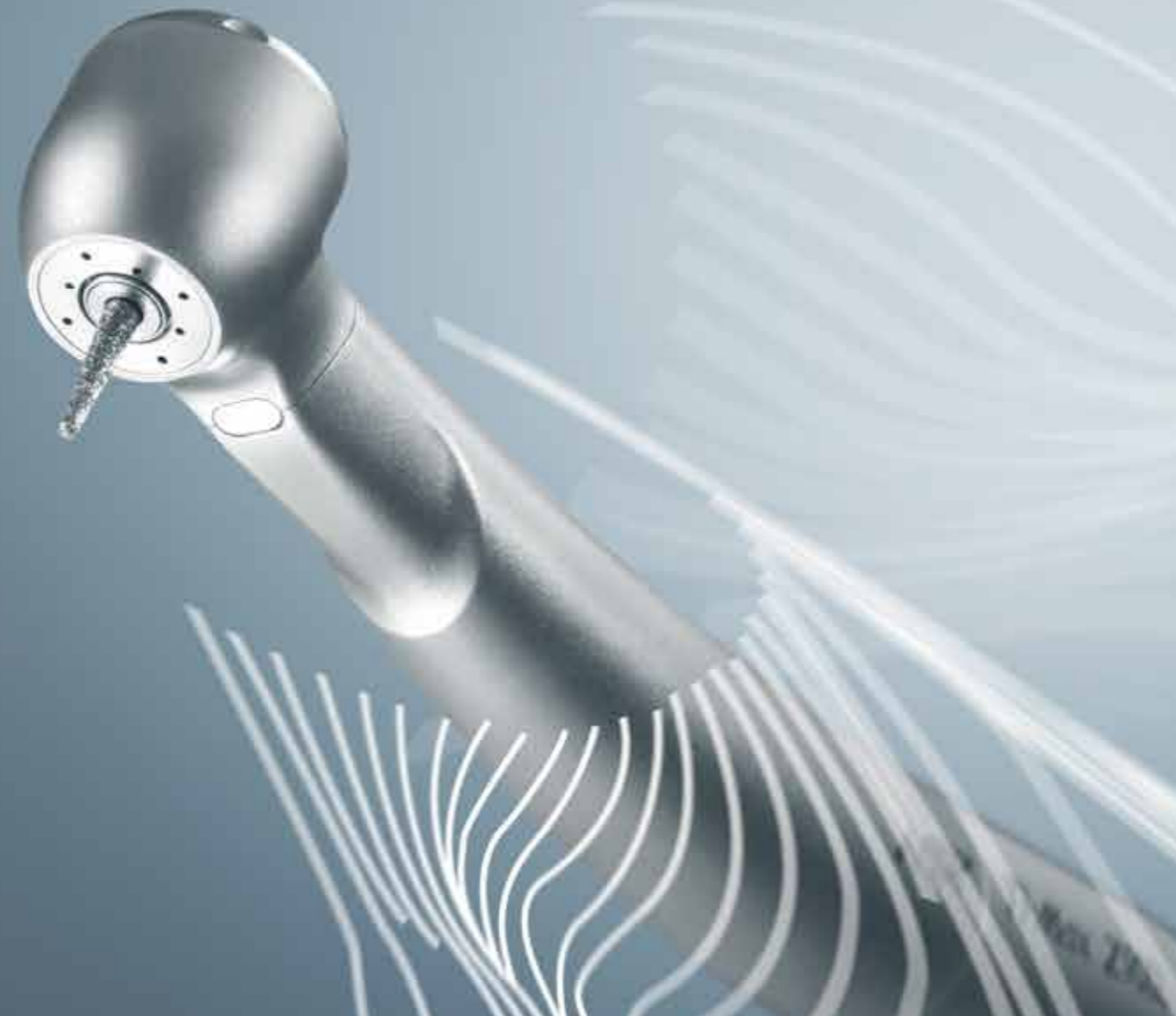
26W



STEADY

Steady High-Performance Creates a New Trend in Air Turbines

High-performance requirements to provide comfortable treatment are condensed into the beautiful and functional instrument body. High power ensures a high degree of smoothness during cutting operations, and operability and visibility is significantly improved. Ti-Max Z, the top-of-the-line handpiece model by NSK, offers a new style of dental treatment using air turbines.



TECHNOLOGY & FUNCTION



Smooth Grinding Feel

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



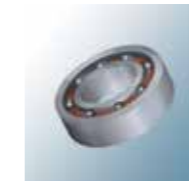
High Power 26W

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



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.



Easier Access

An even smaller head and optimal head angle combined with even slimmer neck dimensions improve operational visibility and access to oral regions.



Improved Handling

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

& DURABLE

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

Outstanding durability, unrelenting long-term comfort that only high-power can maintain. Advanced technologies originally developed by NSK have been adopted to maintain reliable, high performance. Sophisticated design and high-precision processing, ingenuity in the materials used for parts and surface finishing. The introduction of the newly developed bearing system has approximately doubled the durability in comparison to older turbine designs.



Titanium Body

Titanium body^{※2}. Light and very strong pure titanium is used for the body. The light handpiece reduces the burden on the hands during operations, and its enhanced hardness also improves its ability for autoclave sterilization. The biocompatible properties of titanium eliminate concern over allergies to metals.



※2 Titanium is used only for the exterior parts, and not for the interior.

DURAGRIP

The handpiece surface is specially treated with scratch and abrasion proof DURAGRIP, which protects the handpiece against scratches and is easier to hold even when wet. Even under the roughest manipulation, it ensures long-term durability, maintaining its new condition for a long, period of 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.



Ti-Max Z AIR TURBINES LINEUP

Connect to NSK Couplings



Standard Head

optic MODEL: **Z900L** ORDER CODE: **P1111**

- Power : 26 W ● Speed : 320,000-400,000 min⁻¹ ● Head size: φ12.5 x h 13.1mm ● Titanium Body & DURAGRIP ● Interchangeable Cartridge
- Ceramic Bearings ● Push Button Chuck ● Quattro Water Spray ● Microfilter ● Clean Head System ● Cellular Glass Optics



Miniature Head

optic MODEL: **Z800L** ORDER CODE: **P1110**

- Power : 23 W ● Speed : 360,000-440,000 min⁻¹ ● Head size: φ10.8 x H 12.0 mm ● Titanium Body & DURAGRIP ● Interchangeable Cartridge
- Ceramic Bearings ● Push Button Chuck ● Quattro Water Spray ● Microfilter ● Clean Head System ● Cellular Glass Optics



Connect Direct to KaVo® MULTiflex®



Standard Head

optic MODEL: **Z900KL** ORDER CODE: **P1113**

- Power : 24 W ● Speed : 320,000-400,000 min⁻¹ ● Head size : φ12.5 x H 13.0 mm ● Titanium Body & DURAGRIP ● Interchangeable Cartridge
- Ceramic Bearings ● Push Button Chuck ● Quattro Water Spray ● Microfilter ● Clean Head System ● Cellular Glass Optics





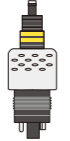

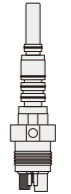



Miniature Head

optic MODEL: **Z800KL** ORDER CODE: **P1112**

- Power : 21 W ● Speed : 360,000-440,000 min⁻¹ ● Head size : φ10.8 x h 12.0 mm ● Titanium Body & DURAGRIP ● Interchangeable Cartridge
- Ceramic Bearings ● Push Button Chuck ● Quattro Water Spray ● Microfilter ● Clean Head System ● Cellular Glass Optics



COUPLING LINEUP

		NSK	KaVo®	W&H®	W&H®	MIDWEST®	StarDental®
Standard Head	MODEL	Z900L	Z900KL	Z900WL	Z900WHL	Z900MWL	Z900STL
	ORDER CODE	P1111	P1113	P1121	P1119	P1131	P1214
Miniature Head	MODEL	Z800L	Z800KL	Z800WL	Z800WHL	Z800MWL	Z800STL
	ORDER CODE	P1110	P1112	P1120	P1118	P1130	P1213
COUPLINGS							
		NSK Couplings 	KaVo® MULTiflex® 	W&H® Roto Quick (RQ Type)	W&H® Roto Quick (RA Type)	MIDWEST®	StarDental®

SPARE PARTS

MODEL	Cartridge for Standard Head TIZ-SU03	Cartridge for Miniature Head TIZ-MU03	Head Cap for Standard Head TIZ-SU04	Head Cap for Miniature Head TIZ-MU04	Head cap wrench for Standard Head TIZ-SU05	Head cap wrench for Miniature Head TIZ-MU05
ORDER CODE	Y1002076	Y1002075	P1052050	P1051050	Z265007	Z265006
PRODUCTS						

KaVo® and MULTiflex® LUX are registered trademarks of Kattenbach & Voigt GmbH & Co.

W&H® is a registered trademark of W&H Dentalwerk Bürmoos GmbH.

StarDental® and HIFlo® are registered trademarks of DentaEZ Inc.

MIDWEST® is a registered trademark of DENTSPLY International Inc.



Quattro Water Spray



DURAGRIP



Washable in the thermodisinfectant



Autoclavable up to 135°C