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TURBINES



- BRAVIA® XL
- BRAVIA® L
- MICRA® L
- GYROFLEX® LED
- THALIA®

TKD

SIMPLIFYING DENTAL MOTION

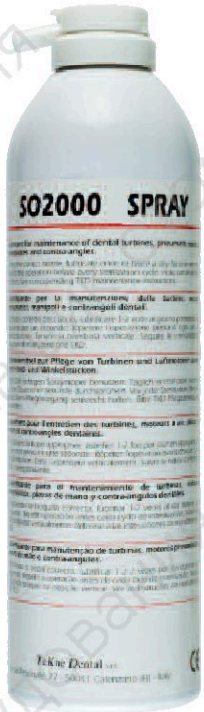
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THALIA®

simple yet powerful

Economical turbine with single spray and fixed connection.
Designed for tough, daily use, turbine is light-weight, easy to clean and features extremely high torque.
Lubrication by means of the SO2000 service oil or any other lubrication oil for dental handpieces.
Turbine is also equipped with a non-return valve for spray water and is available with 3-hole or 4-hole standard connection.



SO2000 Service Oil



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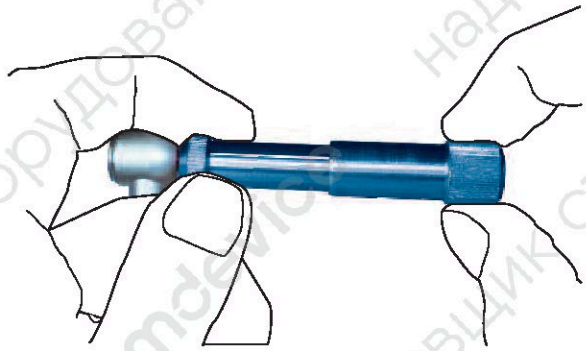


BRAVIA® L

compact smart look

Robust high-speed turbine with improved power, ceramic ball-bearings, triple spray, easy-to-clean ergonomic surface and long-life LED illumination. All turbines are equipped with a high-precision spindle which ensures high concentricity, and a highly-efficient fiberoptics solid rod which can withstand repeated autoclave cycles without any deterioration.

Turbines can be used together with the GYROFLEX®LED rapid couplings (MULTIflex®-compatible) which also provides for turbine illumination.
Other types of connection are also available.



The special LubriONCE® lubrication system provides the best way to ensure optimal turbine performance, ease of application and low-cost maintenance.
The special formulation of the grease, which is resistant to the high temperature of sterilization, allows the turbine to be lubricated just ONCE a day.
The used medical grease is hygienically safe and does not soil.
Optionally, turbines can also be lubricated with oil.

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BRAVIA® XL

special version with improved dynamics

Manufactured from high-quality materials, the improved high-speed ball-bearing BRAVIA®XL turbine with elegant and ergonomic styling provides the perfect answer for the most discerning professional.
Compactness, increased power, highly-efficient illumination, reduced noise level and light weight are but a few of the various features offered by this new turbine.
The use of special integral-structure high-precision ceramic ball bearings, together with a perfectly balanced rotor, makes the turbine with superior quietness and reliability.



The rapid connection, together with the GYROFLEX®LED rapid coupling, allows the instrument to turn freely and smoothly throughout 360 degrees.



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GYROFLEX®LED

no more bulbs

MICRA®L

small and precise

Precise ceramic ball-bearing turbines with small-size head and single spray.
Designed to facilitate access to the most hidden places, they are the logical subsidiary instruments to the normal-size turbines.
Turbine can be used together with the GYROFLEX®LED rapid coupling (MULTIflex®-compatible) which also provides for turbine illumination.



The GYROFLEX®LED rapid coupling with integrated LED device provides for turbine illumination and is available with or without nut for cooling spray adjustment.
With LED technology bulb changing has now become an operation of the past!
The innovative LED technology integrated in the rapid coupling produces a level of brightness never seen before. The emitted white light helps reducing colour distortion with respect to halogen light.

Once coupled to the new GYROFLEX®LED rapid coupling, any dental turbine with fiber-optics and MULTIflex® connection can immediately get advantage of the new LED technology which, simply and surprisingly, allows natural daylight quality illumination of the operating area and produces a superior uniform light pattern.

Lastly, rapid coupling is equipped with a non-return valve for spray water.



MULTIflex® is a registered trademark of Kaltenbach & Voigt GmbH, Germany.

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TECHNICAL DATA

	BRAVIA®XL	BRAVIA®L	MICRA®L	THALIA®
Reference:	REF 162.02.01	REF 162.02	REF 194.02	REF 186.30 / 186.40
Connection:	MULTIflex®-compatible	MULTIflex®-compatible	MULTIflex®-compatible	3-hole / 4-hole
Rotation speed:	365.000 rpm	365.000 rpm	390.000 rpm	365.000 rpm
Air pressure:	2.8 ± 0.2 bar	2.8 ± 0.2 bar	2.8 ± 0.2 bar	2.6 ± 0.2 bar
Max air consumption:	53 Nl/min	53 Nl/min	53 Nl/min	55 Nl/min
Spray port:	4-jet	3-jet	1-jet	1-jet
Bur FG:	with Ø1.6 mm shank (Type 3) according to ISO 1797-1, and maximum lenght of 25 mm (Code 4, 5, 6) according to ISO 6360-1	with Ø1.6 mm shank (Type 3) according to ISO 1797-1, and maximum lenght of 25 mm (Code 4, 5, 6) according to ISO 6360-1	with Ø1.6 mm shank (Type 3) according to ISO 1797-1, and maximum lenght of 21 mm (Code 4, 5) according to ISO 6360-1	with Ø1.6 mm shank (Type 3) according to ISO 1797-1, and maximum lenght of 25 mm (Code 4, 5, 6) according to ISO 6360-1
Head diameter:	ø 12.6 mm	ø 12.6 mm	ø 10.3 mm	ø 12.6 mm
Maximum power:	22 W	22 W	17 W	23 W
Lubrication:	by LubriONCE® grease or SO2000 service oil	by LubriONCE® grease or SO2000 service oil	by LubriONCE® grease or SO2000 service oil	by SO2000 service oil
Sterilization:	by autoclave up to 134 °C / 2 bar	by autoclave up to 134 °C / 2 bar	by autoclave up to 134 °C / 2 bar	by autoclave up to 134 °C / 2 bar
Thermodisinfection:	yes	yes	yes	yes
Maximum noise level:	58 dBA	60 dBA	62 dBA	62 dBA
Weight:	39 g.	45 g.	44 g.	52 g.
Standard conformity:	EN ISO 14457, CEI EN 60601-1, ISO 9168, European Directives 93/42/EEC (Class IIa) and 2007/47/EC.			
Guarantee:	1 year	1 year	1 year	1 year

	GYROFLEX®L	GYROFLEX®LED
Reference:	REF 316.60	REF 316.62 / 316.62.09
Light source:	Halogen bulb	High-brightness white LED
Power supply:	3.5 ± 0.2 V3.5 ± 0.2 Vdc	
Output illumination:	>25.000 lux	>25.000 lux -
Standard conformity:	CEI EN 60601-1, ISO 9168	CEI EN 60601-1, ISO 9168
Guarantee:	1 year	1 year

	BRAVIA®XL N	BRAVIA®L N
Reference:	REF 162.04.01	REF 162.04
Connection:	NSK PTL-CL-compatible	NSK PTL-CL-compatible

	BRAVIA®XL S	BRAVIA®L S
Reference:	REF 162.06.01	REF 162.06
Connection:	Sirona-compatible	Sirona-compatible

	BRAVIA®XL B	BRAVIA®L B
Reference:	REF 162.08.01	REF 162.08
Connection:	Bien-Air Unifix®-compatible	Bien-Air Unifix®-compatible

Unifix® is a registered trademark of Bien-Air Dental SA, Switzerland.

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100% Made in Italy

TeKne Dental srl • Via del Pescinale, 77 • 50041 Calenzano (FI) • Italy
Tel. +39 055 8825741 • Fax +39 055 8825764
www.teknedental.com • info@ teknedental.com

CE 0051

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