

6. Technical datasheet

1. Control unit: BYONIK® PTL Professional Max

LASER CLASS	1
Degree of protection	IP 21 (drip-proof)
Associated power supply unit	XP Power AFM60US12 Input voltage: 100-240 VAC 50-60 Hz Output voltage: 12 VDC, 5 A Protection class: I
Weight	Ca. 10 kg
Dimensions (L x B x H)	38 cm x 44.5 cm x 46 cm
Screen	10.4-inch colour touchscreen

6.2 Operating conditions

AMBIENT TEMPERATURE	+10 °C to +30 °C
Relative air humidity	30% to 75%
Air pressure	700 hPa to 1060 hPa

6.3 Transport and storage conditions

AMBIENT TEMPERATURE	-20° C to +40° C
Relative air humidity	30% to 75%
Air pressure	700 hPa to 1060 hPa

6.4 Technical data of the BYONIK® handpieces

LASER CLASS	1 (optionally 2)
Laser type	Diode laser (DL)
Operating modes	All laser diodes CW and wobbling
Pulse width	Wobbling operating mode: 55 ms to 100 ms
Pulse frequency	Wobbling operating mode: 0.5 Hz to 1.5 Hz
Spot size	Circle, A = 1520.52 mm ²
Repetition rate	Wobbling operating mode: up to 10 Hz
Peak power	500 mW per handpiece
Cooling	Contact cooling system: passive cooling system via aluminium heatsink, ambient air, ventilation slits
Light window	Satinised, impact-resistant Plexiglas®

6.5 Technical data of the laser diodes

BYONIK RED

No.	Wave length	Output power	Operating mode / pulse duration	Angular expansion individual diode
BLX	808 nm 658 nm	5 x max. 68 mW 4 x max. 40 mW	Continuous wave (CW) Continuous wave (CW)	8,12 mrad 8,58 mrad

BYONIK BLUE

No.	Wave length	Output power	Operating mode / pulse duration	Angular expansion individual diode
BLX	808 nm 450 nm	5 x max. 68 mW 4 x max. 40 mW	Continuous wave (CW) Continuous wave (CW)	8,12 mrad ca. 8 mrad