

BPR Swiss Laboratory Line:

*Performance
and
Reliability
in Dental
Laboratory.*



BPR Swiss' Laboratory Turbines. Enjoy the Difference.

The laboratory turbines of BPR Swiss, developed and manufactured in Switzerland and made of high quality metal are characterised as per their long tradition, by superior torque, reliability and quality of processing. The laboratory turbines of BPR Swiss can be used for the precise fine processing of hard materials such as zircon or ceramic and due to the superior torque even titanium or cobalt-chrome. Enjoy the difference.



↳ Processing of a ceramic crowns with the laboratory turbine LED Carver



↳ Processing of titanium abutment with laboratory turbine LED Carver and Turbi-Jet



↳ Processing of zircon abutment with the laboratory turbine LED Carver

Further technical data of all BPR Swiss laboratory turbines:

- Speed: 300,000 rpm
- Operating pressure: 2.8–3.2 bar
- Air consumption: 40 l/min
- Water container: 350 ml
- Chuck diameter: 1.6 mm Ø

Highlights of BPR Swiss laboratory turbines:

- Unique torque
 - ↳ Efficient operation
- Long-lasting ceramic-ball bearing
 - ↳ Low costs
- Indispensable dust protection mechanism
 - ↳ Long service life
- Unique blow-out function for material removal
 - ↳ Efficient operation

The shadow-free LED light turbine of BPR Swiss. Enjoy the difference.

With its laboratory turbine LED Carver, BPR sets a new standard in the world of turbines. Based on the innovative technology patented by BPR Swiss, the light field of the turbine gratifies with its unprecedented light without shadows, light intensity and homogeneity. Enjoy the difference.

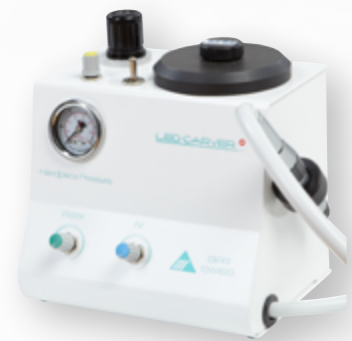


Highlights of the LED light of LED Carver:

- Patented 360-degree light of the work piece
- Max. light intensity: 45,000 Lux (!)
- Stepless dimming function of the LED light
- Colour temperature: 5000 Kelvin (daylight quality)

LED Carver. The master.

The combination of maximum torque, patented shadow-free light and unique features such as the blow-out function or the dust protection mechanism make LED Carver the most complete laboratory turbine in the world.



Highlights of LED Carver

- Unparalleled high torque
- Unique blow-out function (Chip)
- Speed 300,000 min⁻¹
- Indispensable dust protection mechanism
- High-precision spray function that can be switched on and off on the hand piece
- 45,000 Lux patented shadow-free dimmable light

Hydro-Air Carver. The classic.

The world-famous high torque of BPR Swiss laboratory turbines combined with the long service life of turbines and rotors continue to make Hydro-Air Carver the most sought-after laboratory turbine in the world of dentistry.



Highlights of Hydro-Air Carver

- Unparalleled high torque
- Long service life
- Unique blow-out function (Chip)
- Speed 300,000 min⁻¹
- Indispensable dust protection mechanism
- High-precision spray function that can be switched on and off on the hand piece

Air Carver. The tradition

The Air Carver enables dental laboratory technicians to benefit from the BPR Swiss torque and long service life even with a small budget.

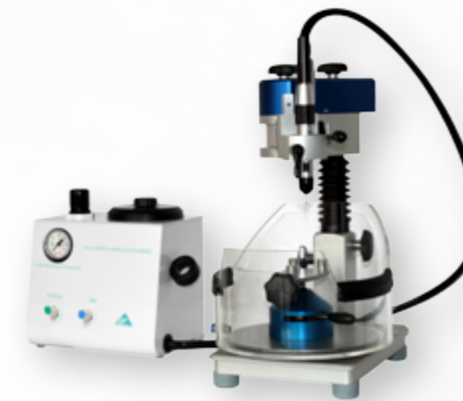


Highlights of Air Carver

- Unparalleled high torque
- Long service life
- Speed 300,000 min⁻¹
- Indispensable dust protection mechanism

Milling Machine Turbijet. Work Smart.

Our milling machine Turbi-Jet forms a perfect combination for simple milling operations in the dental laboratory with our laboratory turbines LED Carver, Hydro-Air Carver and Air-Carver. The laboratory turbines are inserted in the milling machine with an adaptor sleeve to enable a processing of materials such as zircon or titanium in an effortless and space-saving manner.



Milling Operating Table:

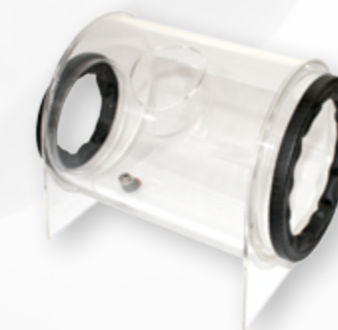
- The waste water protection is attached to the milling table magnetically
- The model table can be moved in any direction

3D Milling Arm::

- Depth stop with micrometer screw
- 18mm drill stroke
- Hinged bracket can be fixed mechanically
- Height can be adjusted swiftly due to locking screw

Grinding box. Pure efficiency.

Our grinding box combines highest security with a maximum of comfort. The user is well protected from grinding dust and the workplace stays clean and dry. Efficient and relaxed work is made possible by the particularly well-protected access slot. A further pro is the ergonomic design, which allows an ideal posture and thus highest concentration for fatigue-proof work.



Technical Data:

- Length: 320 mm
- Diameter: 210 mm
- Weight: 1.5 kg

Milling machine Mill-Jet. Precision redefined.

With its combination of milling fixture and micro-motor, the Mill-Jet enables milling with utmost professionalism and efficiency. The Mill-Jet can also be combined with BPR Swiss laboratory turbines, if required.



Milljet can also be combined with the BPR Swiss laboratory turbines LED Carver, Hydro-Air Carver or Air Carver for numerous zircon- titanium or ceramic operations.

Control unit::

- Exact setting of speeds via digital display
- Speed emergency changeover from 30,000 min⁻¹ to 50,000 min⁻¹
- Reversible anti-clockwise rotation up to 30,000 min⁻¹
- Foot pedal switch for motor operation and magnets

Micromotor:

- Handpiece 50,000 min⁻¹, brushless
- Torque 7.8 Ncm
- Chuck 2.35mm or 3mm on request, also with depth stop
- High concentricity
- Vibration – free and quiet operation

Milling Operating Table:.

- The model table is attached to the milling table magnetically
- The model table can be moved in any direction
- Optimal height due to wooden pedestal

3D Milling Arm:

- Depth stop with micrometer screw
- 18mm drill stroke
- Hinged bracket can be fixed mechanically
- Height can be adjusted swiftly due to locking screw



Micromotors Motor-Jet. Quality and service.

The Motor-Jet micromotors of BPR Swiss are characterised by utmost quality and precision. They incorporate all the useful features in an impressive processing quality. Enjoy the difference.

Highlights of Motor-Jet Micromotors of BPR Swiss:

- Overload protection by microprocessor control and additional voltage protection
- Immediate further processing after overloading (No intermittent service)
- Stepless speed control
- Reversible speed range from 30,000 U/min – 50,000 U/min
- Anti-clockwise rotation up to 30,000 U/min

Motor-Jet F (Foot Control):

- BPR's Motor-Jet F does not need to be mounted and can be used as an undertable system instantly
- Infinitely variable speed display via the position of the foot pedal



Motor-Jet F (Foot Control):

- Motor-Jet K of BPR Swiss can be mounted quickly and easily on a table and it can be used immediately
- Stepless speed control via knee plate
- The setting of fixed speed is done via knob



Motor-Jet T (Table Control):

- The Motor-Jet T of BPR Swiss does not need to be mounted and can be immediately used as table machine
- The speed indicator is digital
- The setting of fixed speed is done via knob



*„BPR Swiss
keeps you smiling“*

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