

Air File Tool / Vibration Damper

Order Code: **FLV4-9**
(150 322 785)

Extremely low-vibration machine. Convenient deburring file for small components that have to be held by hand while being deburred.



Stroke Length: 4 mm
Strokes per Minute: 9.000
Power: 80 watt • **Max. Tool Shank Ø:** 3 mm
Exhaust Air Direction: Backwards
Air Consumption: 80 l/min. • **Weight:** 260 g.

Price:
€ 820,00
■ Made in
■ Germany

Air File Tool / Vibration Damper

Order Code: **FLV1-20**
(150 322 780)

Designed for fine polishing of moulds. High stroke speed combined with short strokes enable controlled machining of surfaces. The tool is also suitable for the most delicate deburring work.



Stroke Length: 0.8 mm
Strokes per Minute: 17.000
Power: 80 watt • **Max. Tool Shank Ø:** 3 mm
Exhaust Air Direction: Backwards
Air Consumption: 80 l/min. • **Weight:** 260 g.

Price:
€ 820,00
■ Made in
■ Germany

"RSC" Modular System

For various Cnc machining processes.



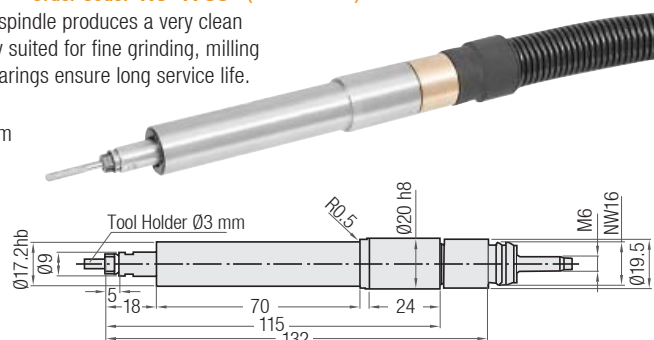
Please ask for information from our company.

High-speed Grinding Spindle

Order Code: **RO-1785** (150 401 202)

The high speed and concentricity of this spindle produces a very clean grinding pattern and it is therefore ideally suited for fine grinding, milling and engraving. The paired heavy duty bearings ensure long service life.

Rpm: 85.000 • **Power:** 100 watt
Collet / Max. Tool Shank Ø: ZG5 / 3 mm
Engine Type: Vane
Front Bearing Set: Paired
Exhaust Air Direction: Backwards
Air Consumption: 180 l/min.
Hose Unit: Inclusive
Hose Connection: M6
Noise Level: 70 db.
Max. Carbide Tool Ø: 4 mm
Max. Profile Grinding Wheel Ø: 6 mm
Weight: 200 g.



Price: € 950,00
■ Made in
■ Germany

"RWA" Pneumatic Spindles

Pneumatically controlled, operation with lubricated compressed air 6 bar.



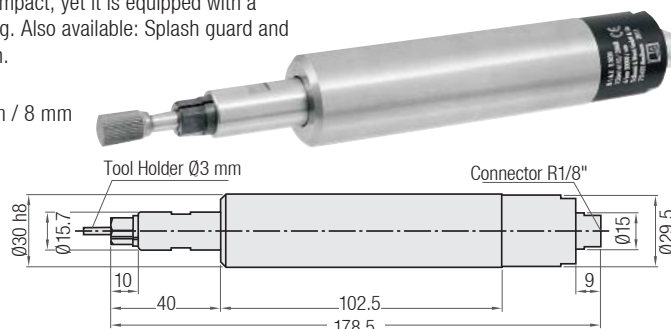
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Universal Grinding Spindle

Order Code: **R-3030** (150 414 110)

This spindle is designed to be very compact, yet it is equipped with a powerful motor for grinding and milling. Also available: Splash guard and spindle with counterclockwise rotation.

Rpm: 30.000 • **Power:** 240 watt
Collet / Max. Tool Shank Ø: ZG7-6 mm / 8 mm
Engine Type: Vane
Front Bearing Set: Paired
Exhaust Air Direction: Backwards
Air Consumption: 400 l/min.
Hose Unit: Not inclusive
Hose Connection: R 1/8"
Noise Level: 75 db.
Max. Carbide Tool Ø: 10 mm
Max. Profile Grinding Wheel Ø: 16 mm
Weight: 420 g.



Price: € 1.200,00
■ Made in
■ Germany

"BWS 2-22" Quick-change System

This change system enables fast replacement of spindles in robot cells.



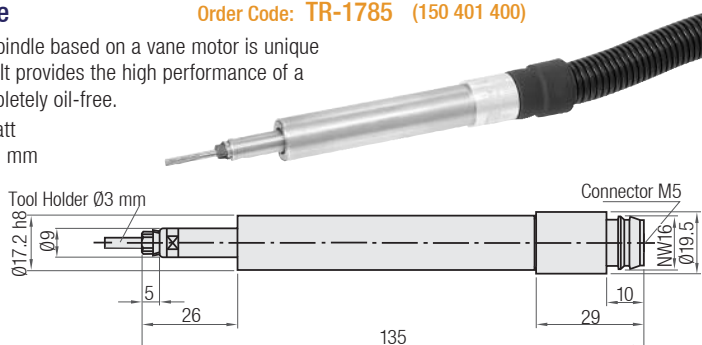
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High-speed Oil-free Spindle

Order Code: **TR-1785** (150 401 400)

The oil-free drive of this grinding spindle based on a vane motor is unique and patented. Its great advantage: It provides the high performance of a vane motor and can still work completely oil-free.

Rpm: 85.000 • **Power:** 100 watt
Collet / Max. Tool Shank Ø: ZG5 / 3 mm
Engine Type: Vane
Front Bearing Set: Paired
Exhaust Air Direction: Backwards
Air Consumption: 170 l/min.
Hose Unit: Inclusive
Hose Connection: M5
Noise Level: 70 db.
Max. Carbide Tool Ø: 4 mm
Max. Profile Grinding Wheel Ø: 6 mm
Weight: 130 g.



Price: € 1.050,00
■ Made in
■ Germany