Grinding & Machining for cylinder heads

Valve Spindle Grinding Machine

CHRIS-MARINE®

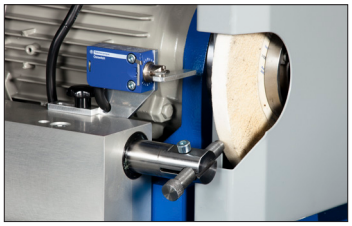
BSP30

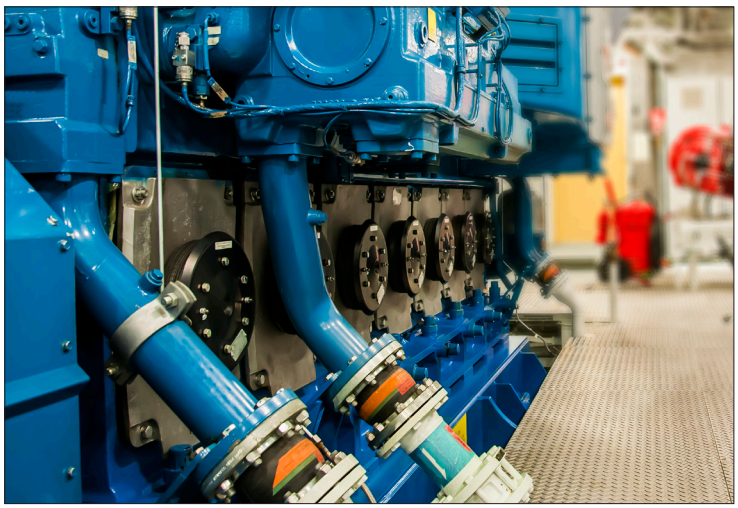
BSP30 is an automatic grinding machine for grinding of valve spindles on 4-stroke medium and high speed diesel engines. The machine serves as a professional tool for grinding in workshops, onboard ships as well as in offshore sites.











Application areas

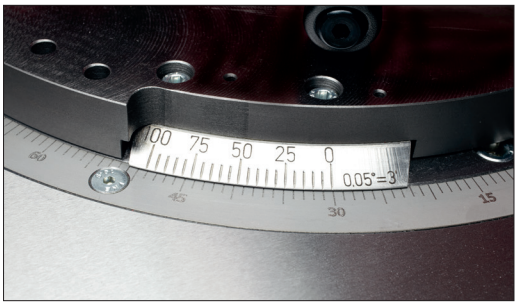
- Grinding of valve spindles
- 4-stroke medium and high speed engines

Key benefits

- Operating range 6 - 50 mm stem diameter
- For all 4-stroke medium and high speed engines
- Automatic grinding machine
- Electronically controlled angle settings
- User-friendly machine interface
- Up to 250 mm valve disc diameter
- Electrically driven

Sustainable engine operation

BSP30 is an automatic grinding machine for grinding of valve spindles on 4-stroke medium and high speed diesel engines. Regular valve spindle grinding improves the performance of vessels, minimizes engine downtime, saves fuel and lowers emissions. It also means significant cost-savings as the need to invest in new engine parts will be minimized.



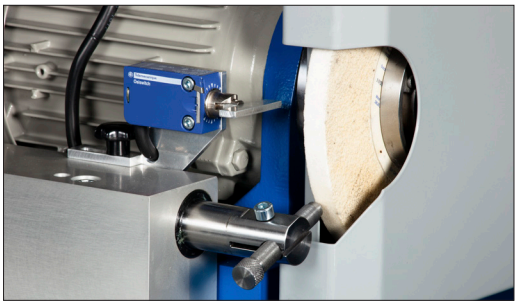
Electronically controlled precision settings

Machine delivered with electronically controlled precision settings for required grinding angles.



CBN (Cubic Boron Nitride) grinding wheel

The CBN grinding wheels are designed for rapid, accurate and very effective grinding of even the hardest materials.



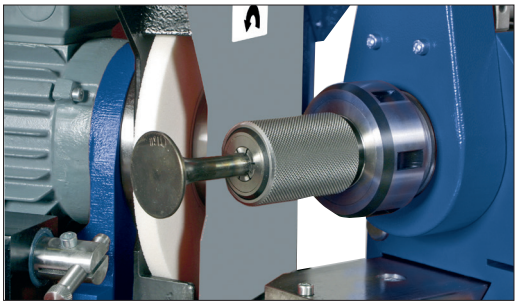
Grinding wheel dresser

Convenient device for swift and accurate dressing of the grinding wheel.



Touch screen

User-friendly control panel with 6" color screen and touch function for input of parameters.



Grinding of small valves

Precision holder available for small stem diameters from 6 to 14 mm.

Technical specifications

• Machine capacity	Stem diameter up to 50 mm Valve disc diameter up to 250 mm
• Electric power supply	3-phase 380/415 V 50/60 Hz with neutral line or 3-phase 220 - 240 V 50/60 Hz. Other voltages available on request
• Power requirement	1.5 kW
• Electric motors	Grinding motor 1.10 kW Driving motor 0.25 kW Coolant pump motor 0.09 kW
• Weight	320 kg
• Max dimensions	W: 1100 mm, L: 1100 mm, H: 800 mm

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