Grinding & Machining for cylinder heads

Valve Spindle Grinding Machine

CHRIS-MARINE®

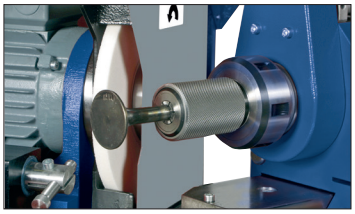
BSP2

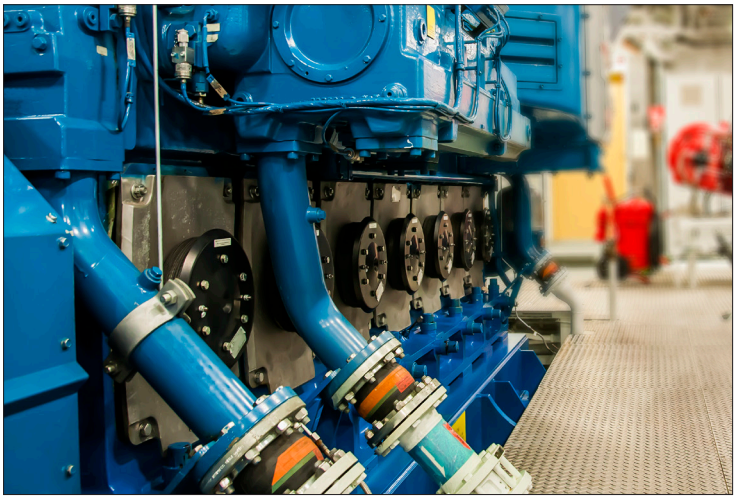
BSP2 is a semi-automatic grinding machine for grinding of valve spindles on 4-stroke medium and high speed diesel engines.
The machine serves as a professional tool for grinding in workshops, onboard ships and in offshore sites.
BSP2 is delivered with precision settings for required grinding angles, which can also be adjusted by the operator.
Thanks to its robust design and incorporated features, BSP2 delivers high quality grinding results quick and easy.











Application areas

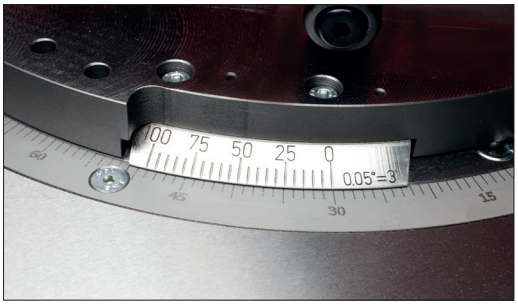
- Grinding of valve spindles
- 4-stroke medium and high speed engines

Key benefits

- Operating range 6 - 50 mm stem diameter
- For all 4-stroke medium and high speed engines
- Semi-automatic grinding machine
- Pre-set or operator set angles
- Grinding angles set according to customer's requirement (max 7)
- Up to 250 mm valve disc diameter
- Electrically driven

Sustainable engine operation

BSP2 is a semi-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.



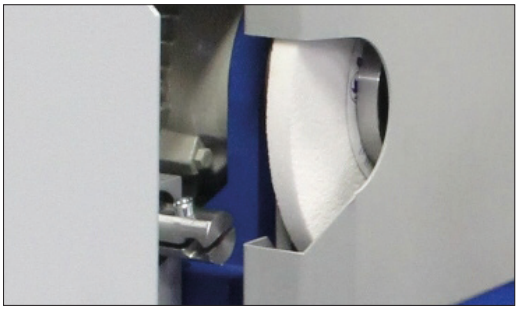
Preset grinding angles

Machines delivered with 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.



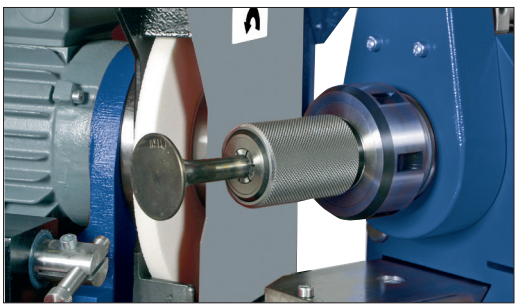
Grinding wheel dresser

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



Semi-automatic version type BSP2

Fitted with easily adjustable limit switches for control of longitudinal feed.



Grinding 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 voltage 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	295 kg
• Max dimensions	W: 1100 mm, H: 736 mm

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