

MSD

VALVE SEAT GRINDING MACHINE

For in-situ grinding of valve seats on medium speed diesel engines.

- Range of operation 40 - 270 mm seat diameter
- Preset to any angle(s) from 0 - 60°
- Dowel locked to achieve correct angle
- Air driven
- Automatic outward feed mechanism

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• MACHINE CAPACITY	40 - 270 mm SEAT DIAMETER
• AIR PRESSURE	0.6 - 0.9 MPa (6 - 9 bar OR 85 - 130 psi)
• AIR CONSUMPTION	700 l/min
• NOISE LEVEL	76 dB(A) / 75 dB(C)
• AIR HOSE CONNECTION	12.5 mm (1/2")
• GRINDING SPEED	3 mm/min (ALONG THE SEAT FACE)
• NORMAL GRINDING TIME	10 - 15 min PER SEAT
• WEIGHT	BASIC MACHINE 14 kgs SPINDLE 1 - 13 kgs
• MAX DIMENSIONS	H: MACHINE 371 mm + SPINDLE 185 - 1100 mm, W: 400 x 150 mm



Three advantages of air cooled grinding

1. Cooling

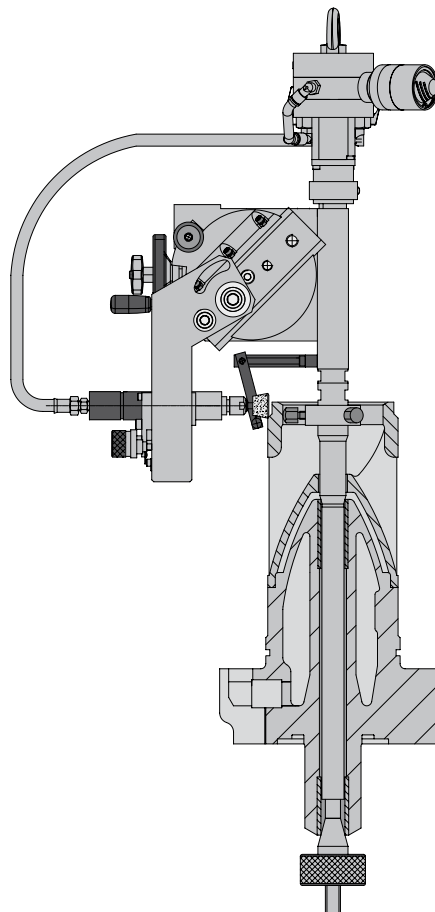
- cooled exhaust driving air flowing over valve seat during grinding helps eliminate heat induced micro-cracks.

2. Lubrication

- superior valve seat surface finish obtained thanks to lubricated driving air flowing over valve seat at grinding.

3. Dust free grinding

- lubricated exhaust air effectively binds all grinding dust and prevents any spreading, thereby securing non-polluted environment.



Unique feature

The MSD can also be used for other applications than grinding the valve seats. As an example; grinding the sealing surface between the valve cage and the cylinder cover.

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