



innovation in engineering

# VALVE GRINDING MACHINE

Model VG - 14M / VG - 14A



The Precision and Professional Grinding Machine to repair  
**Valve, Valve Seat, Injector Body & Fuel Pump Face**  
of all make of Diesel Engines.

## Reliable Solution for Maintenance of Diesel Engines

Precision grinding of Valve & Valve Seat Longitude method of Angle Grinding, Electrical and Air operated. Robust cast Iron Bed, Wheel Head and work Head. Work Head fitted with precision chuck. Independently two way acting sliding unit. Precision pilot pin guide for required angle rotation.

Wet Grinding by separate electrical coolant pump. Easily read and un-damage able angle degree markings. Machine is equipped with a feed unit at Y-Axis. The Travel distance & Travel speed can be controlled in the panel board using a PLC circuit. Optional Manual feed is also provided. Machine base fitted with anti-vibration mountings and equipped with Tool Box and Electrical control panel  
Fully Automatic operated Machine also available.



Valve Grinding



Injector Body



Auto Feed Unit



Electrical Control Panel



Adjustable to any Angle 0° - 50°

### Technical Specification

Range of operation	: 045mm Vale Stem Diameter 0250mm Valve Head Diameter
Wheel Head Speed	: 6000rpm
Min. Table Graduation	: X axis = 0.02mm, Y axis = 0.02mm
Work Head Rotation	: 0° to 50°
Electrical Connection	: 500 watts Single Phase / 50Hz
Angle Accuracy	: +/- 0.5 Minutes
Work Head Ovality	: Maximum 0.02mm
Wheel Head Ovality	: Maximum 0.02mm
Surface finishing	: N6 = 0.8µm

### Optional Attachment

Available for face Grinding of Valve Seat  
Injector Body and Fuel pump Face.

Mfg by

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