



SERDI

RV

3000+

High precision centerless valve refacing machine

Its double-V operation, instead of the traditional use of pliers or chucks, brings to very accurate results and is extremely easy. The peculiar valve locking system can be applied on a wide range of engines.



Motor-driven grinding wheel

Low tension driving control

Incorporated coolant pump

Electric power / Voltage : 230/400V 50/60Hz 3Ph

Infinitely variable grinding wheel rotation speed up to 2800 r.p.m.

Valve stem diameters from 4 to 16 mm / 0.157" to 0.63".

Valve seat angles from 15 to 60 degrees.

Simple and fast installation and adjustments.

Improved ergonomic design.

TECHNICAL FEATURES

Space requirements

Length	mm/inch	800/31.5
Width	mm/inch	600/23.6
Height	mm/inch	600/23.6

Min-max valve dimensions

Valve stem dia.	mm/inch	4-16 / 0.157-0.63
Maximum head diameter	mm/inch	100 / 3.93
Maximum valve length	mm/inch	400-450/15.75-17.71
Valve head dia 30°	mm/inch	min 22 / 0.86
Valve head dia 45°	mm/inch	min 18 / 0.7
Valve length	mm/inch	min 75 / 2.95
Grinding wheel size	mm	Ø175x30
Angle grinding range	degrees	15° to 60°

Main wheel motor

Power	W	370
Speed	rpm	up to 2800

Valve driving motor

Power	W	80
Speed	rpm	14

Connections

Power supply	230V-1ph+N+T-50/60Hz
Approx. weight	kg/lbs 109 / 240

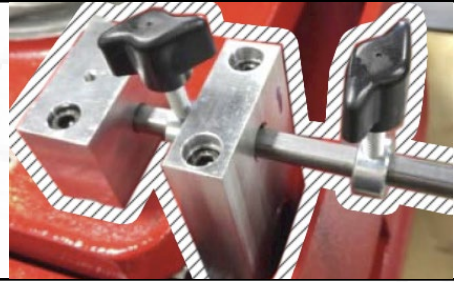
STANDARD EQUIPMENT

- Grinding wheel
- Diamond support for dressing and valve base refacing
- Wheel dressing diamond
- Incorporated coolant pump
- Allen wrench 2,5/3/4/5/6
- Open end wrench 8
- Valve stop
- Adjustable lamp
- Low voltage electric panel controls
- Instruction manual

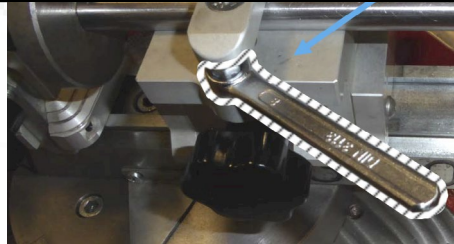
IMPROVED DESIGN FOR BETTER ERGONOMY

- Adjustment screws for motor alignment to the wheel
- Motor spacer to keep the motor group in upward position
- Replacement of clamp screws needing hex wrench for thumbscrews

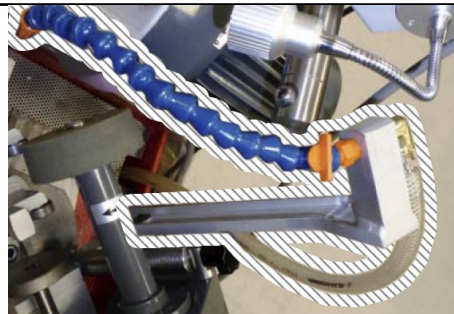
IMPROVED DESIGN FOR BETTER ERGONOMY



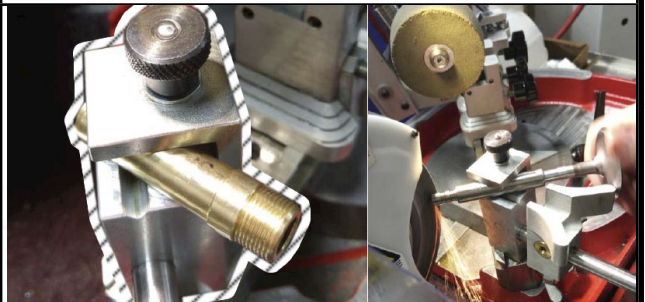
Adjustable travel stop system on the sliding plate to ensure the operator doesn't contact the valve stem with the wheel edge.



Integration of a clamping handle to setup fastly the valve stop.




Integration of the flexible hose on the valve support unit, allowing to keep a consistent coolant flow over the valve



New universal support allows mounting of valve guides to regrind valve tips more accurately than before.

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