

The VRX Valve Refacing/Grinder machine will reface the valve and also chamfer/recondition the valve stem butt.

**No belts to replace.** Grinding wheels are driven with a direct drive motor for grinding power with no slippage.

The **machine is easy to operate**, the rigid base is cast for precise performance.

The **carriages slide on dovetail** guides, which make it possible to adjust the clearance.

The grinding wheel is fed by the hand crank, the chuck is fed by the handle with adjustable stroke.

The valve headstock has an adjustment range from 15° to 60°.

The valve is **clamped in the head stock by a collet**, three collets are standard, which ensure **maximum stiffness and accurate centering** of the valve and high precision operations.

The collet system offers **tight concentricity for refacing** the valve. Positive stop for valve stem speeds production rate.

V-ways and valve stop for repeatable valve stem butt end grinding and chamfering.

Valve to adjust coolant flow. Uses **water based coolant for a superior finish** and easy clean up.

The standard machine includes coolant attachment with gear pump and settling tank, incorporated in the machine base.

Variety of high quality grinding wheels available for different valve materials.

\*Two sizes of ball chucks available for high precision, .0002 TIR.

**High precision for low cost. Total indicated runout for valve face concentricity .0002"\***

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## VALVE REFACING MACHINE

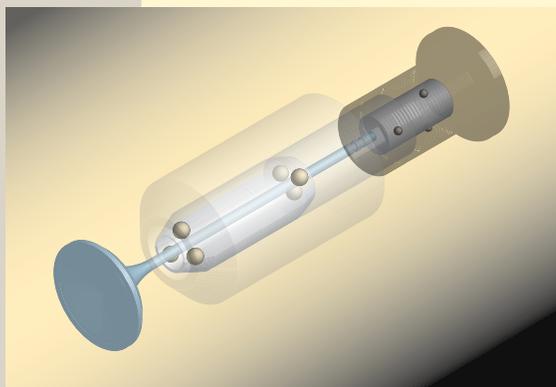
### Model: VRX



Variable speeds for different valve diameters and surface finishes.



V-ways and clamping system for accurate valve stem butt end grinding and chamfering.



Optional ball chucks provide quick change without collets and maintains concentricity.

#### Specifications:

Min. Valve Stem Diameter	.157" (4mm)
Max Valve Stem Diameter	.689" (17.5mm)
Max. Diameter of Valve	3.543" (90mm)
Grinding Angle	15° - 60°
Grinding Wheel Diameter	6" (150mm)
Grinding Wheel Speed(Variable)	0-2800 RPM
Spindle Speed(Variable)	0-55 RPM
Grinding Wheel Motor Power	1/4 HP
Spindle Motor Power	1/10 HP
Voltage	115V/60Hz 220V/50Hz

#### Dimensions for VRX

Length	38" (942mm)
Width	30.7" (780mm)
Height	28.5" (724mm)
Weight	237 lbs (118 Kg)

#### Dimensions for Base

Length	39" (990mm)
Width	19" (483mm)
Height	28" (712mm)
Height With Base	56.5" (1180mm)
Weight with Base	262 Lbs (166 Kg)

#### Standard Equipment:

Coolant system, 2.5 Quarts (2.4 liters)  
 Collet from .236-.354" (6-9mm) dia.  
 Collet from .354-.472"(9-12mm) dia.  
 Collet from .472-.629" (12-16mm) dia.  
 Support for diamond holder  
 Grinding wheel 6"x.5"(.5"arbor)  
 Valve stop  
 Positive Stop  
 Grinding rocker arm fixture  
 Diamond and rest  
 1 Quart of coolant concentrate  
 Service tools  
 Operating manual

#### Optional equipment

Ball Chuck .157-.472" (4-12mm) dia.  
 Ball Chuck .472-.689 (12-17.5mm) dia.  
 Electric system to CE standards  
 Collet for short valves  
 .393" (10mm) dia, .354" (9mm) dia  
 .314" (8mm) dia, .275" (7mm) dia  
 .236" (6mm) dia, .216" (5.5mm) dia  
 .196" (5mm) dia, .157" (4mm) dia  
 Steel sheet base

**V Series of grinders offers several machine choices.**