

# VM5800 Stationary Valve Grinding and Lapping Machine

FEATURES ■ COMPONENTS & ACCESSORIES ■ TECHNICAL DATA

## Modular machine configuration for grinding, lapping and face turning of sealing surfaces

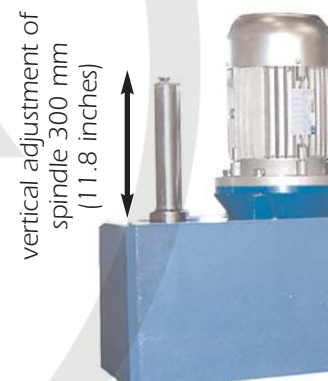
Grinding and lapping up to DN 250 mm (9.8 inches), with optional equipment, up to DN 350 mm (13.8 inches)

Swiveling Operator's Panel with ergonomic sub-division of all operating elements, digital displays, timer, etc.

Vertical adjustment of the spindle and mounting of the optional facing head takes only a few seconds due to quick-clamping couplings.

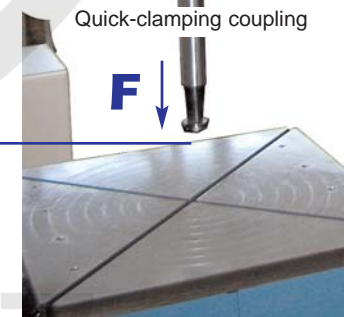
The grinding force [F] is infinitely adjustable during machining.

Grinding force indicator at the top of the spindle for quick reference.



Facing diameter up to 500 mm (19.7 inches) (w/ optional facing head)

Max. 820 mm (32.3 inches)



447 377  
oficina@ve...com.pe



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Portable Machine Tools, Inc.

## Specifications

### Working Range

Standard tools for DN 10 - 250 mm (0.4 - 9.8 inches)

Additional planet wheels to increase working range up to DN 350 mm (13.8 inches)

Working height up to 600 mm (23.6 inches)

	US	Metric
<b>Headstock</b>		
Spindle drive power	1.01 hp	0.75 kW
Speed range of spindle, infinitely adjustable	10 - 340 rev/min	10 - 340 rev/min
Max. spindle torque	36.9 ft lbs	50 Nm
Vertical adjustment of spindle	11.8 inches	300 mm
Grinding force, infinitely adjustable	0 - 78.7 lbs	0 - 350 N
Vertical travel of headstock	21.6 inches	550 mm
Feed rate of headstock, infinitely adjustable	7.1 - 39.3 inches/min	180 - 1000 mm/min
Feed rate of headstock, creep feed	0.6 inches/min	15 mm/min
<b>Tilt Table</b>		
Table dimensions	19.7 x 19.7 inches	500 x 500 mm
Tilting range	±13°	±13°
Max. operating weight of workpiece	661.4 lbs	300 kg
Horizontal adjustment of table (X-Axis)	± 0.98 inches	± 25 mm
<b>Rotary Table (optional accessory)</b>		
Table diameter	19.7 inches	500 mm
Table speed, infinitely adjustable	8 - 50 rev/min	8 - 50 rev/min
Max weight of workpiece	551.2 lbs	250 kg
<b>Machine column, rotatable</b>	300°	300°
<b>Power supply</b>	1.5 kW, 380 V, 50 Hz	1.5 kW, 380 V, 50 Hz
<b>Max weight of workpiece</b>	771.6 lbs	350 kg

## Ordering Information

730-00S-S01	VM5800 with one Tilt Table	730-10T-001	Support Cabinet for VM5800 with one table, either tilt or turn
730-00S-S01	VM5800 with two Tilt Tables	730-10T-002	Support Cabinet with two tables
730-00S-S03	VM5800 with one Turn Table	110-23S-N01	Planet arm to extend working range to 350 mm (13.8 inches). Order 5 pieces.
730-00S-S04	VM5800 with two Turn Tables	730-60S-N02	Facing Head
730-00S-S05	VM5800 with one Tilt Table		

VM58-.25M0106

### Corporate Headquarters

Climax Portable Machine Tools, Inc.  
2712 E. Second Street  
Newberg, Oregon 97132 USA  
Worldwide Telephone: 503.538.2185  
N. America Toll-Free: 800.333.8311  
Fax: 503.538.7600  
Email: info@cpmt.com

### European Headquarters

Climax GmbH  
Willi - Bleicher - Strasse 11  
52353 Düren, Germany  
Telephone: (+49) (0) 2421.9177.0  
Fax: (+49) (0) 2421.9177.29  
Email: info.de@cpmt.com

### Houston Sales Office

Climax Portable Machine Tools, Inc.  
16823 Highway 35  
Pearland, TX 77581 USA  
Telephone: 281.469.0429



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Portable Machine Tools, Inc.  
[www.cpmt.com](http://www.cpmt.com)