

# HYPREZ<sup>®</sup> FLAT LAPPING & POLISHING SYSTEM MODEL 28LMPV

## STANDARD FEATURES

- Microprocessor Base Touch Control Panel with Large, Easy-to-Read Displays Mounted to a Movable Pendant for Convenient Access at Each Work Station
- Electronic Variable Speed Drive With Finite Adjustments for the 0-100 RPM Range, Using 100 Factory Preset Speeds
- 3 Ring Arms - Roller Yoke Type
- Each Pneumatic Station has a Single Lever Control for both Inboard and Outboard Adjustments
- The Complete Pneumatic Structure Can Be Swung to the Side of Machine for Easy Access to Lap Plate for Removal or Cleaning
- 3 H.P. - 3 Phase Drive (Soft Start Drive)
- Separate Oversize Tapered Roller Bearing
- Spindle Driven by a Quiet Antifriction Gearbox and Motor Combination via a High Torque Belt and Pulley System
- Large Bore Cylinders with Double Pistons and Oversize Piston Rods for Supporting Greater Lapping Pressures and Frictional Drag
- Air Filter Lubricator
- 35" Work Height for Easy Loading and Unloading
- 48" Diameter Fully Adjustable Parts Table
- 3 Natural Iron Conditioning Rings (12" I.D.)
- Flatness Gauge for Plate
- NEMA 12 Wiring
- 230V, 3 Phase Electrics
- 500 lbs. Maximum Load Delivered Per Cylinder



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## Lapping Machine Specifications

Lap Plate Diameter	28"
Conditioning Ring OD/ID	13.87" x 12"
# of Work Stations/Rings	3
Work Area Available (square inches)	339 square inches
Standard RPM	60 RPM
RPM Range	0-100 RPM in 100 preset speeds
Working Height	35"
Available Work Table	Standard
Fully Adjustable Work Table	Standard
Work Table Dimension	48" diameter
Main Drive Motor (H.P. rating)	3 H.P.
Abrasive Slurry Reservoir Capacity	4.5 gallons
Operating Voltage (230V is standard)	230-460VAC
FLC @ 230VAC	9A
Required Air Pressure	60-80 PSI
Air Consumption (in SCFM)	0.28 SCFM
Water Cooling Rate @ 10 PSI	1 GPM
Pneumatic Pressure System	Standard
Pneumatic System Down-Force Range	0-500 lbs.
Micro-Processor + LED DRO OPS Panel	Standard
Water Cooling System (Lap Plate)	Optional
Pneumatic Assist Worktable	Optional
Electronic Slow Start System	Standard
Pendent Style Operator Control Panel	Standard
Pressure Ramping Control System	Optional
Independent Tapered Bearing Spindle	Standard
Dimensions (LxWxH)	58" x 48" x 74"
Estimated Shipping Weight	3,000 lbs.



3465 Mainway, Unit #2  
Burlington, Ontario L7M 1A9  
Telephone: 905-632-3016  
[engiscanada@engis.com](mailto:engiscanada@engis.com)

[www.engisca.com](http://www.engisca.com)