



Leader in Superabrasive Finishing Systems

FL-28VP FastLap™ System



Model FL-28VP (Pneumatic) shown with optional Dust Cover & Hyprez Minimiser/Auto Dispensing System

Versatility and speed are the hallmarks for the newest line of Engis lapping and polishing machines.

This FL Series of floor standing lapping & polishing systems is engineered to maximize the efficiency of diamond lapping and polishing processes, while giving operators optimal production speed and quality control. This results in maximized part quality, increased throughput and reduced per-piece finishing costs.

FastLap™ machines are available in models utilizing 15", 24", 28", 36", 42" and 48" lapping plates.

Robust, durable, variable speed drive systems, paired with touch-screen digital controls, give operators a pressure range and speed settings of up to 500 pounds per head and 90 RPM, respectively.

Heavy duty steel frame construction, high torque, reduction gear box and a heavy duty spindle bearing make design and engineering second to none.

This makes the FL system both fast and flexible, capable of processing a wide range of compound semiconductor, advanced, industrial grade and other specialty materials.

LAPPING / POLISHING

FASTLAP MACHINE

Standard features:

- Machines available in six plate sizes: 15" / 24" / 28" / 36" / 42" / 48"
- Soft start ramp up to protect parts during start up
- Corrosion-resistant worktable, chrome pressure plates, arms and hardware
- Proface touch screen, PLC control

Machine Also Includes:

- Fully adjustable work table
- Variable speed drive (VSD)
- Pendant-style operator control panel
- Independent tapered bearing support for drive wheel
- 3 Ring Arms - roller yoke type with single lever adjustment for both inboard and outboard positioning

ENGIS CORPORATION

Leaders in Superabrasive Finishing Systems
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FL-28VP Specifications



Engis systems can be fitted with slurry dispensing to suit your application, whether it be spray, drip or pump.



Model FL-28V Non-Pneumatic (Hand Weight) shown

FL-28VP:	
Machine Weight (lbs/kg):	2,315 lbs. / 1050.1 kg
Dimensions (in/mm):	69" x 43" x 69" 1752 x 1105 x 1752
Lap Plate Diameter (in/mm):	28" / 711.2mm
Conditioning Ring OD/ID (in/mm):	13.858" / 12.007" 352mm / 305mm
Work Stations/Rings:	3
Work Area Available (in/mm):	339 sq. inches / 8610.6 sq. mm
Standard RPM:	0-90
RPM (with optional VSD):	0-90 in 90 presets
Work Table Height (in/mm):	37" / 939.8mm
Work Table Dimension (in/mm):	40" x 40" / 1016mm x 1016mm
Main Drive Motor (H.P. rating):	5.5 H.P.
Operating Voltage:	230-460 VAC-3 Phase
FLC @ 230 VAC:	15.0A
Required Air Pressure:	0-60 PSI
Air Consumption:	0.28 SCFM
Water Cooling Rate @ 10 PSI:	1 GPM
Pneumatic Pressure System:	Standard
Pneumatic Down-Force Range (lbs/kg):	0-500 lbs 0-226.8 kg
<i>Dimensions & weights are rounded.</i>	

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Options:

- Dust cover
- Water cooling system (lap plate)
- Customization packages are available
- Integrated slurry dispensing system
- Abrasive system motor
- Abrasive slurry reservoir
- Lap plate flatness gauge

