



Leaders in Superabrasive Finishing Systems

FL-36V FastLap™ System



Model FL-36VPF (Pneumatic) shown above with optional Plate Facing and built-in Hyprez Minimiser/Auto Dispensing System



Model FL-36V Non-Pneumatic (Hand Weight)

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", 20", 24", 28", 36", 42", 48" and 60" lapping plates.

Robust, durable, variable speed drive systems, paired with touch-screen controls, give operators a pressure range and speed settings of up to 1,100 pounds per head and 70 RPM, respectively.

Heavy duty steel frame construction, high torque 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.

FASTLAP MACHINE

Standard features:

- Machines available in eight plate sizes: 15" / 20" / 24" / 28" / 36" / 42" / 48" / 60"
- Soft start ramp up to protect parts during start up
- Corrosion-resistant worktable, chrome pressure plates, arms and hardware
- 3 Ring Arms – roller yoke type with adjustment for both inward and outward positioning

Options:

- Dust cover
- Water cooling system (lap plate)
- Customization packages are available
- Abrasive pump
- Abrasive slurry reservoir
- Stainless work & drainage area
- Integrated plate facing and/or grooving
- Power arms – motorized roller to drive work rings

ENGIS CORPORATION

Leaders in Superabrasive Finishing Systems

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FL36-0216

LAPPING / POLISHING





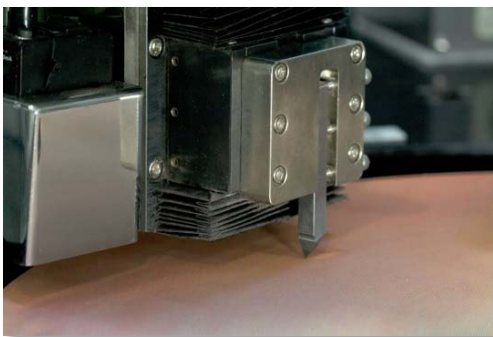
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FL-36V FastLap™ System

FL-36V Specifications:	Hand Weight Model	Pneumatic Model
Machine Weight (lbs/kg):	2700 lbs / 1224 kg	3300 lbs / 1497 kg
Dimensions (in/mm):	72" x 69" x 39" 1829 x 1753 x 991mm	72" x 69" x 84" 1829 x 1753 x 2134mm
Lap Plate Diameter (in/mm):	36" in. / 914mm	36" in. / 914mm
Conditioning Ring OD/ID (in/mm):	16.496" / 14.488" 419mm / 368mm	16.496" / 14.488" 419mm / 368mm
Work Stations/Rings:	3	3
Work Area Available (sq. in/sq. cm):	495 sq. in 3194 sq. cm	495 sq. in 3194 sq. cm
Standard RPM:	0-70	0-70
Work Table Height (in/mm):	37" / 940mm	37" / 940mm
Work Table Dimension (in/mm):	50" x 50" 1270mm x 1270mm	50" x 50" 1270mm x 1270mm
Main Drive Motor (H.P. rating/Kilowatts):	7.5 H.P. / 5.5 kW	7.5 H.P. / 5.5 kW
Operating Voltage:	230-460 VAC-3 Phase	230-460 VAC-3 Phase
FLC @ 230 VAC:	20.0A	20.0A
Required Air Pressure (minimum):	N/A	60 PS / 4.1 Bar
Air Consumption:	N/A	24.2 CFM
Pneumatic Pressure System:	N/A	Standard
Pneumatic Down-Force Range @ 60 PSI (lbs/kg):	N/A	0-1,100 lbs 0-498.9 kg
OPTIONAL: Water Cooling Rate @ 10 PSI:	1 GPM	1 GPM

Dimensions & weights are rounded

LAPPING / POLISHING



Optional Plate Facing Device Ensures Consistent Plate Flatness



Full line of Hyprez® Slurries, Accessories, Lap Plates and Dispensing Systems are available



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