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

This FL Series of 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.

The FL-15 features a durable variable speed drive and control which allows continuous speed settings up to 90 RPM. The FL-15VP pneumatic version offers a robust tripod support structure handling up to 100 pounds per head for demanding applications. A hand weight version, FL-15V, is also available.

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.

FastLap machines are available in models utilizing 15", 24", 28", 36", 42" and 48" lapping plates.
FL-15VP Specifications

- **Machine Weight (lbs/kg):** 286 lbs / 129.7 kg
- **Dimensions (in/mm):** 25” x 23” x 42” / 635 x 584 x 1067mm
- **Lap Plate Diameter (in/mm):** 15” / 381mm
- **Conditioning Ring OD/ID (in/mm):** 7” / 5.5” / 177.8mm / 139.7mm
- **Work Stations/Rings:** 3
- **Work Area Available (in²/cm²):** 71 sq. inches / 1445.16 cm²
- **Standard RPM:** 0-90
- **Work Table Height (in/mm):** Bench Top Model
- **Work Table Dimension (in/mm):** 23.5” x 20.5” / 596mm x 520.7mm
- **Main Drive Motor (H.P. rating):** 1 H.P.
- **Operating Voltage:** 110 or 220 VAC-1 Phase
- **FLC @ 230 VAC:** 5.0A
- **Required Air Pressure:** 0-80 PSI
- **Air Consumption:** 0.28 SCFM
- **Pneumatic Down-Force Range (lbs/kg):** 0-100 lbs / 0-45.36 kg
- **Optional: Water Cooling Rate @ 10 PSI:** 1 GPM

Dimensions & weights are rounded.

Options:
- Dust cover
- Water cooling system (lap plate)
- Customization packages are available
- Abrasive pump
- Abrasive slurry reservoir
- Lap plate flatness gauge
- Available in 110 or 220 VAC