MODEL 36

PRECISION OPEN FACE / PNEUMATIC LIFT FLAT LAPPING MACHINE

PLATE-DIAMETER 36" (914.4 MM)
VERSIONS: 3 OR 4 RINGS
TYPE: SINGLE SIDED

MEETING TODAY’S PRECISION SURFACING REQUIREMENTS

- Available in an open face or a pneumatic lift version, each optionally with 3 or 4 rings
- Can be used to process a wide variety of materials including semiconductors, electro-optics, ceramics, metals and other specialty products
- Heavy duty, tubular steel frame with integrally mounted drive motor and gear reducer
- Heavy duty work table, vertically adjustable
- Conditioning rings with adjustable roller bearing yoke assemblies to maintain lap plate flatness

ACHIEVING HIGH STANDARDS OF FLATNESS AND SURFACE FINISH
HIGHLIGHTS MODEL 36 (OPEN FACE / PNEUMATIC LIFT)

- Individual two hand anti-tie down pneumatic cylinder controls. Variable down pressure from 66 lbs / 30 kg to 440 lbs / 200 kg when connected to 60 psi minimum air supply.
- Abrasive slurry distribution system complete with pump, agitator, storage tank, waste container and multiple point feed tubes.
- Electrical system wired for 230 / 460V, 60 Hz, 3 phase with operator controls at 110 V. NEMA Type 12 enclosure complies to JIC standards.
- High torque drive unit consisting of 5.3 hp / 4 kW motor and heavy duty gear reducer. Electronic soft start included for smooth lap plate acceleration. Lap plate speed 58 rpm.

OPTIONAL FEATURES
- Water cooled lap plates
- Non-standard voltages
- Custom machines and tooling
- Enlarged, moveable work table to improve multiple parts handling.

STANDARD SPECIFICATIONS
- High density, cast iron serrated lapping plate 914 mm O.D. × 172 mm I.D. / 36" O.D. × 6.75" I.D.
- Three high density cast iron serrated conditioning rings 419 mm O.D. × 368 mm I.D. / 16.5" O.D. × 14.5" I.D. Wear life 70 mm / 2.8".
- Three work holder blanks.
- Three sponge rubber pads (open lift).
- Three felt pads (pneumatic lift).
- Starter sample of Lapmaster abrasive.
- Starter sample of Lapmaster vehicle.
- Lap plate lifting tool.
- Set of Allen keys.
- Operation and maintenance manual.

APPROXIMATE WEIGHT
- Open face: 2250 lbs / 1020 kg.
- Pneumatic lift: 3088 lbs / 1400 kg.

APPROXIMATE DIMENSIONS
- Open face: 43" × 52.8" × 36"
  1100 mm × 1350 mm × 915 mm.
- Pneumatic lift: 68.9" × 64.5" × 80"
  1750 mm × 1640 mm × 1980 mm.

GET IN TOUCH WITH US TODAY
TOGETHER WE WILL FIND A SOLUTION FOR YOUR REQUIREMENTS

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OPEN FACE VERSION

PNEUMATIC LIFT VERSION