

PRECISION OPEN FACE DIAMOND FLAT LAPPING MACHINE


The Lapmaster Model 36 is the perfect size for engineering workshops, where flatness and finish are of prime importance over a wide range of component sizes. It is equipped with a 914mm diameter lap plate, faced with composite iron as standard.

The machine is self contained and the rigid welded tubular section steel frame supports the reduction gearbox and drive motor and houses the abrasive compound system and the waste tank. Access to these is provided by lift off panels.

The machine is intended for use with an electronic dispensing system, for use with water and diamond compounds etc. A standard abrasive system is also fitted for periodic reconditioning of the lap plate.

Flatness of the machines lap plate, and consequently of the work, is controlled by adjusting the position of the conditioning rings relative to the lap plate track.

The lapping plate drive system uses a separate motor and worm & wheel mechanical reduction gearbox with multi-belt drive.

The Lapmaster model 36 can be used to process a wide variety of materials including semiconductors, electro optics, ceramics, metals, mechanical seals and other specialty products.

This machine is also available in a pneumatic lift version. Datasheet is available on request.

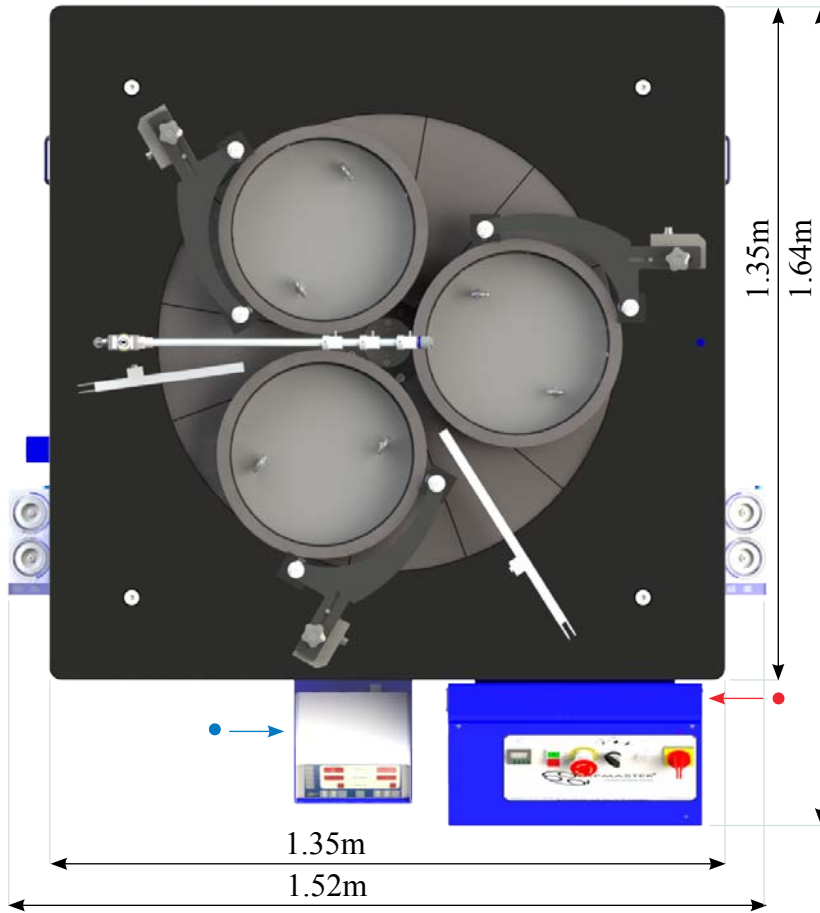
STANDARD FEATURES

- Heavy duty floor standing base with integrally mounted drive motor, reduction gearbox.
- Heavy duty work table, vertically adjustable.
- Three conditioning rings, with adjustable, sealed roller bearing yoke assemblies to maintain lap flatness.
- Multi purpose dispensing system, complete with electronic dispensing unit, spray arm and electronic stirrer.
- Free standing abrasive system complete with pump multiple point distribution.
- High torque drive unit consisting of 4.0kW motor and reduction gearbox. Lap plate speed 58 rpm.
- Operator controls at 100V, complies with EN 60 204.
- CE compliant.
- Soft start to main drive motor.
- Operator panel with start / stop controls, and multiple range digital process timer.
- Waste tank.

STANDARD TOOLING

- Composite iron faced, cast iron lap plate. 914mm O.D. x 172mm I.D.
- Three high density cast iron serrated conditioning rings. 419mm O.D. x 368mm I.D.
- Three pressure weights.
- Three blank workholder discs.
- Three felt pads.
- Lap plate lifting tool.
- Operation and maintenance manual.

MODEL 36 - PRECISION OPEN FACE DIAMOND FLAT LAPPING MACHINE



OPTIONAL TOOLING

- Flatness gauge.
- Solid stainless steel backing plates.
- Composite faced polishing plates.
- Cast iron lap plate.
- Polishing pads.

OPTIONAL FEATURES

- Four ring model.
- Pneumatic lift version.
- Electronic variable speed main drive.
- Water cooled lap plate.
- Non-standard voltages.
- Stainless steel wetted parts.
- Peristaltic pump.
- Corporate colours.
- Fixed or light beam guarding.

APPROXIMATE WEIGHT

- 1165 kg.

SERVICES

- Electrical: 230/380V, 3 Phase, 50Hz.
- Air: 400 kPa / 4 bar minimum.
- Water: 100 kPa / 1 bar minimum. (if applicable).

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International Lapping and Polishing Machine Systems

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