

PRECISION OPEN FACE DIAMOND FLAT LAPPING MACHINE


The Lapmaster Model 24 is the smallest floor standing lapping machine in the range and is ideal for engineering workshops, where flatness and finish are of prime importance. It is equipped with a 610mm 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 component, 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 single belt drive.

The Lapmaster model 24 can be used to process a wide variety of materials including semiconductors, electro optics, ceramics, metals mechanical seals and many other specialty products.

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

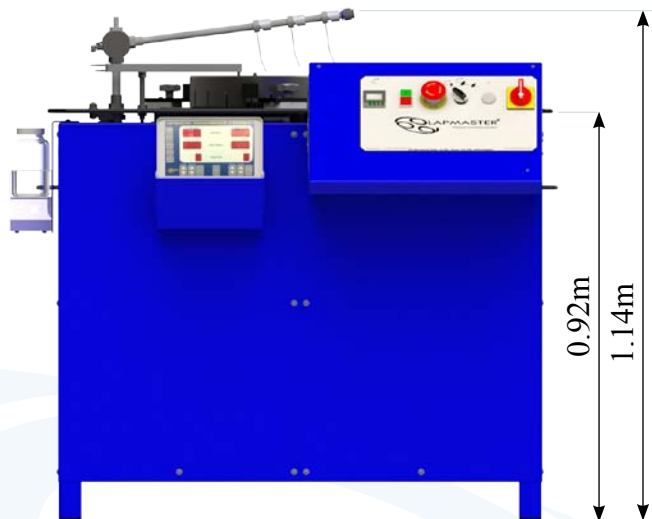
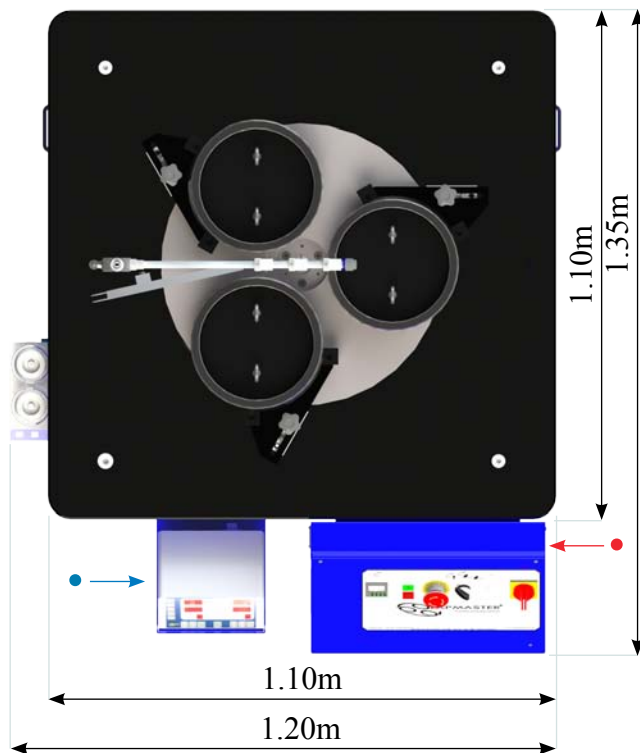
STANDARD FEATURES

- Heavy duty floor standing base with integrally mounted drive motor, reduction gearbox.
- Heavy duty work table, vertically adjustable.
- Three conditioning rings, with adjustable, Zytel 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 and multiple point compound distribution.
- High torque drive unit consisting of 1.5kW motor and reduction gearbox. Lap plate speed 70 rpm.
- Operator controls at 110V, complies with EN 60 204.
- CE compliant.
- Operator panel with start / stop controls, and multiple range digital process timer.
- Waste tank.

STANDARD TOOLING

- Composite iron faced, cast iron lap plate. 610mm O.D. x 114mm I.D.
- Three high density cast iron serrated conditioning rings. 286mm O.D. x 248mm I.D.
- Three pressure weights.
- Three blank workholder discs.
- Three felt pads.
- Lap plate lifting tool.
- Operation and maintenance manual.

MODEL 24 - 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.
- Electronic soft start to main drive.
- Water cooled lap plate.
- Non-standard voltages.
- Stainless steel wetted parts.
- Peristaltic pump.
- Corporate colours.
- Fixed or light beam guarding.

APPROXIMATE WEIGHT

- 575 kg.

SERVICES

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

Lapmaster International Ltd

International Lapping and Polishing Machine Systems

Lee Mill Industrial Estate, Ivybridge, Devon, PL21 9EN UK

T: + 44 (0)1752 893191 F: + 44 (0)1752 896355 E: sales@lapmaster.co.uk

www.lapmaster.co.uk

