

PRECISION OPEN FACE 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 serrated lap plate, manufactured from Grade 300 grey cast iron to ISO 185(2005) as standard. Other plates can be supplied on request.

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 free abrasive compounds. A dispensing system, for use with water and diamond compounds etc., can also be fitted.

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 and many other specialty products.

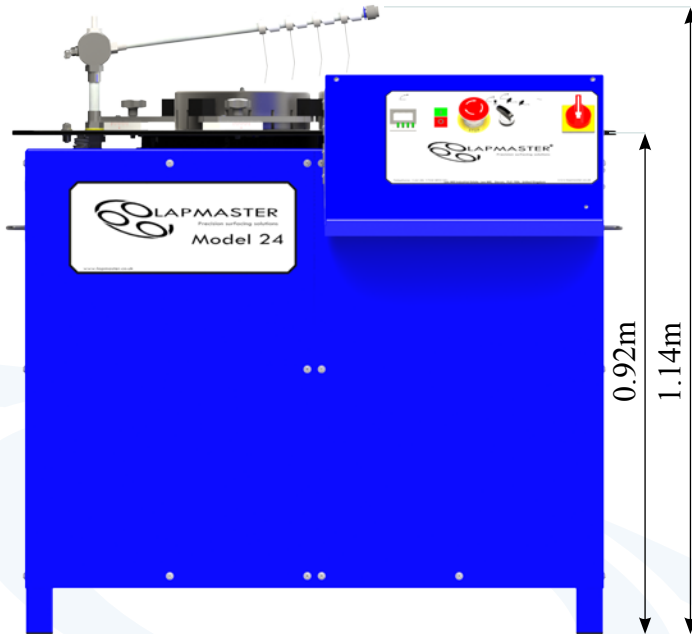
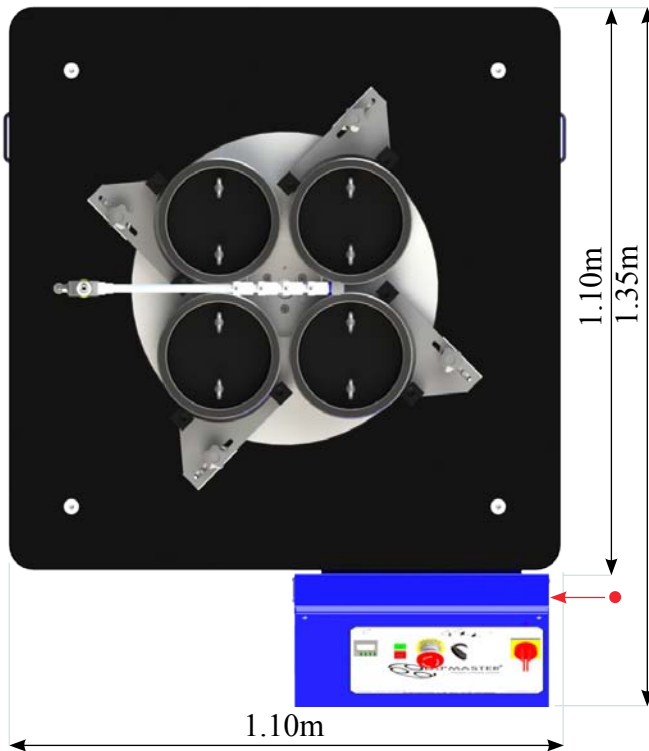
This floor standing machine is also available in a pneumatic lift version. Please see appropriate datasheet, available on request.

STANDARD FEATURES

- Heavy duty floor standing base with integrally mounted drive motor, reduction gearbox.
- Heavy duty work table, vertically adjustable.
- Four conditioning rings, with adjustable, sealed roller bearing yoke assemblies to maintain lap flatness.
- 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

- High density, cast iron serrated lap plate. 610mm O.D. x 190mm I.D.
- Four high density cast iron serrated conditioning rings. 247mm O.D. x 210mm I.D.
- Four pressure weights
- Four blank workholder discs.
- Four felt pads.
- Lap plate lifting tool.
- Operation and maintenance manual.



OPTIONAL TOOLING

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

OPTIONAL FEATURES

- Three ring model.
- Pneumatic lift version.
- Electronic variable speed 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 / bar minimum. (if applicable).
- **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

