

## PRECISION OPEN FACE FLAT LAPPING MACHINE



The Lapmaster Model 20 is a bench mounted unit with a heavy duty carbon steel weldment base.

The model 20 is ideal for engineering workshops, where flatness and finish are of prime importance. It is equipped with a 508mm diameter serrated lap plate, manufactured from Grade 300 grey cast iron to ISO 185(2005) as standard.

In-shop lapping reduces costs of component processing and equipment maintenance programs. Worn parts are reconditioned and salvaged, thus eliminating scrap. Valve bodies, discs, gears, vanes, valve plates and shaft seals are a few of the components benefiting from the lapping process.

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 lap plate drive system uses a separate motor and worm & wheel mechanical reduction gearbox drive.

The Lapmaster model 20 can be used to process a wide variety of materials including semiconductors, electro optics, ceramics, metals and other specialty products.

This popular bench mounted machine is also available in a pneumatic lift version. Please see appropriate datasheet, available on request.

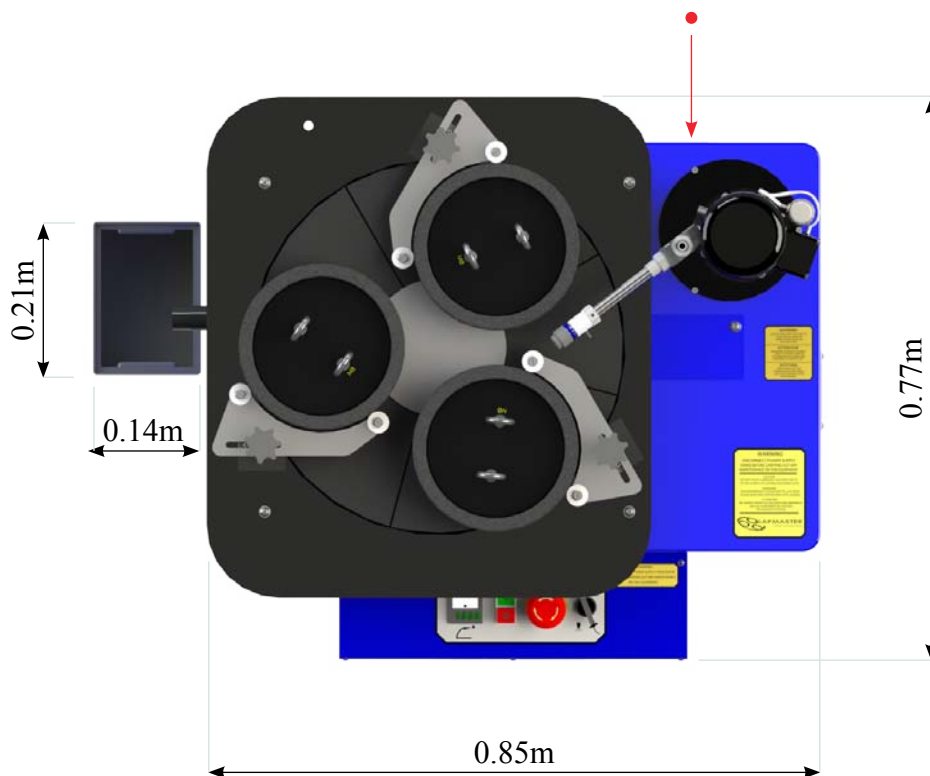
### STANDARD FEATURES

- Heavy duty 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.
- Integral abrasive system complete with pump and multi point compound distribution.
- High torque drive unit consisting of 0.75kW motor and reduction gearbox. Lap plate speed 70 rpm.
- Operator controls at 100V, 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. 508mm O.D. x 127mm I.D.
- Three high density cast iron serrated conditioning rings. 229mm O.D. x 191mm I.D.
- Three pressure weights.
- Three blank workholder discs.
- Three felt pads.
- Operation and maintenance manual.

# MODEL 20 - PRECISION OPEN FACE FLAT LAPPING MACHINE



## OPTIONAL TOOLING

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

## OPTIONAL FEATURES

- Electronic variable speed drive.
- Electronic soft start to main drive.
- Non-standard voltages.
- Stainless steel wetted parts.
- Peristaltic pump.
- Corporate colours.
- Fixed or light beam guarding.

## APPROXIMATE WEIGHT

- 200 kg.

## SERVICES

- Electrical: 230/380V, 3 Phase, 50Hz.  
230V, 1 Phase, 50/60Hz.
- Air: 400 kPa / 4 bar minimum.  
(if applicable).



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