

## PRECISION OPEN FACE CLIPPER BLADE MACHINE



The Lapmaster Model 15 clipper blade machine is a bench mounted unit with a heavy duty carbon steel weldment base.

The model 15 is ideal for sharpening animal (horse and cattle) clipper blades. It is equipped with a 381mm diameter solid lap plate, manufactured from Grade 300 grey cast iron to ISO 185(2005) as standard.

The process involved is not much different than that used in engineering for precision flat lapping. However, the aim in clipper blade work is to generate a concave surface on the part, to a controlled degree. To do this the cast iron lap plate is not perfectly flat, but is slightly convex.

This can be measured by using a simple flatness gauge, which is a spherometer fitted with a sensitive dial test indicator.

Control of the machines lap plate shape, and consequently of the work, 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 15 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 the appropriate datasheet, available on request.

The machine is intended for use with free abrasive compounds.

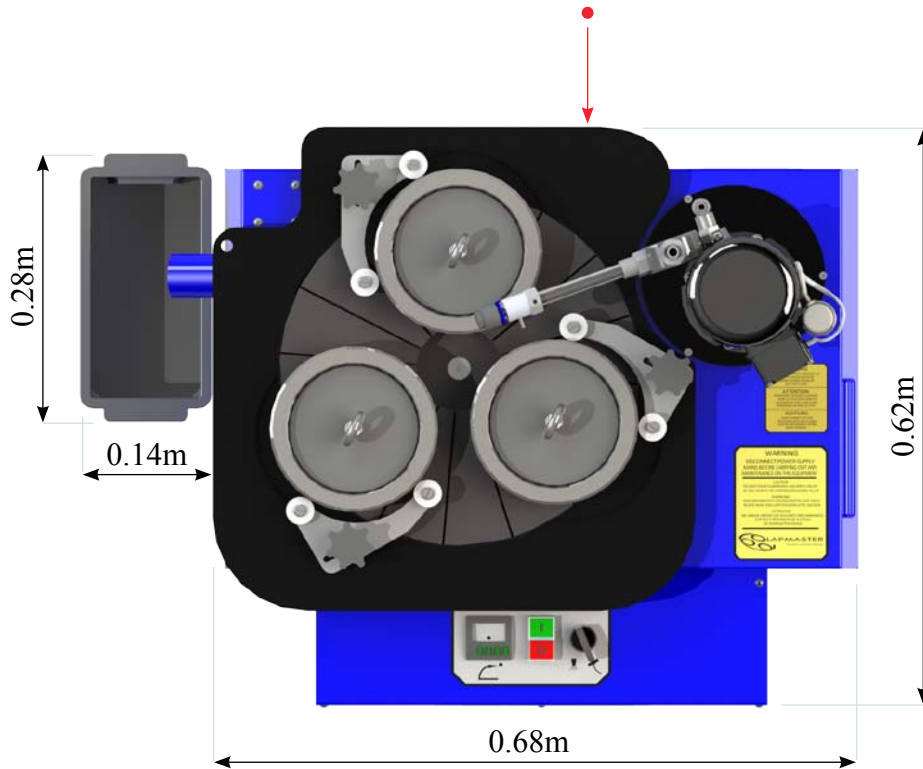
## STANDARD FEATURES

- 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 0.37kW 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 lap plate. 381mm O.D. x 89mm I.D. Convex to 0.177mm across 381mm.
- Three high density cast iron serrated conditioning rings. 178mm O.D. x 140mm I.D.
- Three pressure weights.
- Three blank workholder discs.
- Three felt pads.
- Operation and maintenance manual.

# MODEL 15 - PRECISION OPEN FACE CLIPPER BLADE MACHINE



## OPTIONAL TOOLING

- Flatness gauge.
- Serrated cast iron lap plate.

## OPTIONAL FEATURES

- Electronic variable speed drive.
- Electronic soft start to main drive.
- Non-standard voltages.
- Corporate colours.

## APPROXIMATE WEIGHT

- 101 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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