



## Flat Lapping and Polishing Machine PLM-450

The PLM 450 is a floorstanding lapping and polishing machine for flat components. The machine consists of a solid and sturdy welded base frame which is covered with a heavy steel plate. The smoothing and polishing bowl is inserted in a cut-out of the table plate. The working spindle is driven by a gear motor over a toothed belt. The speed is controlled by a frequency converter and the actual speed is indicated on a digital read out (optionally).

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The machine can be equipped with different lapping or polishing plates with diameter 420mm. Abrasive such as silicon carbide, boron carbide, aluminium oxide or diamond suspended in oil based vehicles are used for lapping and polishing, depending on the workpiece material.

The conditioning ring position can be lateral adjusted in order to control plate flatness finely. The machine has 3 pneumatically controlled stations. The pressure force is indicated over a manometer.

The basic machine can be delivered without driven lapping stations.

### Technical Data

Machine length	750 mm
Machine width	630 mm
Machine height	1650 mm
Working height	1000 mm
Weight	350 kg
Electrical connection	3 x 400 V, 50Hz, 3L+ N + PE
Compressed air supply	6 bar
Max. workpiece diameter	140 mm
Max workpiece height ca.	20 mm
Lapping plate diameter (max)	420 mm
Lapping plate speed	20 – 100 rpm
Spindle power	0.75 kW
Numbers of stations	3 pneumatically
Speed of driven lapping stations	50 – 250 rpm
Pressure force	0 – 400N
Driven lapping stations	optional



Subject to technical alterations.