

DL175 / 370 / 500

DUAL FACE LAPPING AND POLISHING MACHINES



DL175







PLATE O.D.
6.8" / 175 MM TO 19.6" / 500 MM



DL500

MEETING TODAY'S PRECISION SURFACING REQUIREMENTS

-  Ideally suited for small workshops and laboratories
-  Based upon a 3-way, planetary concept designed to yield very precise and repeatable results at an economical price
-  Processing of a wide range of materials and components including glass, ceramics, crystals and ferrous materials
-  The machine structure comprises of a lightweight aluminium extrusion base which carries the main drive components and the drive motors

ACHIEVING HIGH STANDARDS OF FLATNESS AND SURFACE FINISH

HIGHLIGHTS DL175 / 370 / 500

- ✔ Aluminium extrusion base
- ✔ Independent variable speed drives
- ✔ Operator controls at 24VDC
- ✔ Interlocked guarding
- ✔ Abrasive slurry distribution system with reservoir tank
- ✔ Waste tank

STANDARD TOOLING

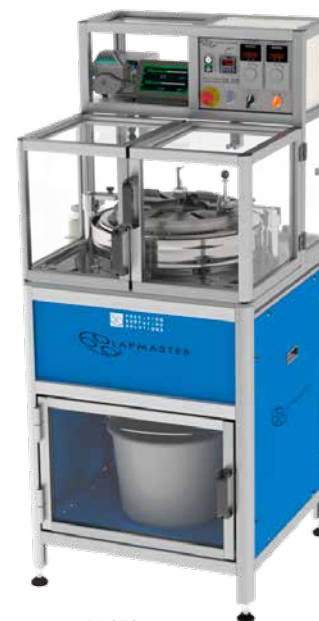
- ✔ One set cast iron lap plates
- ✔ One set cast iron conditioning gears
- ✔ One set top plate weights
- ✔ One set work carriers

OPTIONAL TOOLING

- ✔ Stainless steel backing plates for polishing
- ✔ Polishing pads
- ✔ Conditioning brushes

OPTIONAL FEATURES

- ✔ Electronic variable speed drive
- ✔ DTI control
- ✔ Peristaltic pump
- ✔ Optional plates
- ✔ Table / trolley (DL175)
- ✔ Guard (DL370, DL500)
- ✔ Diamond unit



DL370

TECHNICAL DATA	DL175	DL370	DL500
Plate O.D. [in / mm]	6.8 / 175	14.56 / 370	19.6 / 500
Plate I.D. [in / mm]	3.42 / 87	6.3 / 160	6.3 / 160
Carrier component max. O.D. [in / mm]	2 / 50.8	4.5 / 114	7.1 / 180
Carrier component max. thickness [in / mm]	0.79 / 20	1.18 / 30	1.57 / 40
Max. down force [lbs / kg]	11 / 5	44 / 20	132 / 60
# of carrier positions	5	5	4
Top lapping plate speed [rpm]	-	-	5 - 50
Bottom lapping plate speed [rpm]	-	-	5 - 50
Outer gear drive [rpm]	0 - 122	0 - 25	-
Inner gear drive [rpm]	0 - 125	0 - 64	5 - 70
Voltage	110 / 240V, 1Phase 50 / 60 Hz *	220 / 240V, 1Phase 50 / 60 Hz *	380 / 480V, 3Phase 50 / 60 Hz *
Controls	Adjustable	Adjustable	Adjustable
Dimensions (W x D x H) [in / mm]	30.3 / 770 x 31.5 / 800 x 23.6 / 600	39.3 / 1000 x 31.5 / 800 x 62.2 / 1580	39.3 / 1000 x 44.5 / 1130 x 81.1 / 2060
Weight [lbs / kg]	198 / 90	660 / 300	1430 / 650

* Non-standard voltage available

GET IN TOUCH WITH US TODAY
TOGETHER WE WILL FIND A SOLUTION
FOR YOUR REQUIREMENTS

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