

Flat Lapping Machines

KEMET 15

Bench Mounted Precision Diamond Flat Lapping and Polishing Machines

The bench-mounted Kemet 15 Lapping Machine has a rigid metal construction with a height-adjustable worktable. The machine incorporates a digital Process Timer and a fully automatic Liquid Diamond Dispensing System.

Options

- Variable speed
- Suitable for lift off disc system

Features

- Suitable for bench mounting
- Produces optically flat surfaces with high precision surface finish
- Reduces lapping costs – fully controllable Kemet Electronic Dispensing System accurately meters diamond abrasive onto the lapping plate
- Reduces waste – only small quantities of diamond abrasive and non-toxic fluids are used
- Built in abrasive system for conditioning Kemet plates
- Electrical System complies with EN 60 204
- Easy to adapt for special lapping applications
- Transportable



KEMET 24

Precision Diamond Flat Lapping and Polishing Machines

The Kemet 24 has a rigid welded tubular section steel frame, which supports the gearbox, drive motor and worktable. It houses an integral abrasive compound feed and waste tank positioned behind lift-off access panels.

Options

- Variable speed
- Temperature control
- Drop table
- Pneumatic lift or openface
- 3 or 4 ring versions

Features

- Produces optically flat surfaces with high precision finish
- Reduces lapping costs – fully controllable Kemet Electronic Dispensing System accurately meters diamond abrasive onto the lapping plate
- Built in abrasive system for conditioning Kemet Plates
- A high quality and versatile floor standing lapping and polishing machine
- Electrical System complies with EN 60 204



Flat Lapping Machines

Kemet

KEMET 36

The Kemet 36 has a rigid welded tubular section steel frame, which supports the gearbox, drive motor and worktable. It also houses an integral abrasive compound feed and waste tank behind lift-off panels. The machine incorporates a soft starting feature, which smoothly accelerates the lapping plate from stand still to full speed, over a pre-determined time period.

Options

- Variable speed
- Temperature control
- Drop table
- Pneumatic lift or openface
- 3 or 4 ring versions

Features

- Produces optically flat surfaces with high precision surface finish
- Reduces lapping costs – fully controllable Kemet Electronic Dispensing System accurately meters diamond abrasive onto the lapping plate
- Built in abrasive system for conditioning Kemet Plates
- Suitable for large parts or large volume production
- Electrical System complies with EN 60 204



Kemet Machine Specifications

15 | 24 | 36 | 48 | 56 | 72 | 84

| KEMET m/c MODEL | 15 | | 24 | 36 | 48 | 56 | 72 | 84 |
|---|---|------|--|--|--|--|--|--|
| LAPPING PLATE | mm | 381 | 610 | 914 | 1218 | 1422 | 1828 | 2132 |
| OUTSIDE DIAMETER | in | 15 | 24 | 36 | 48 | 56 | 72 | 84 |
| LAPPING PLATE SPEED | 70rpm | | 58rpm | 58rpm | 48rpm | 48rpm | 30rpm | 20rpm |
| NO OF CONDITIONING RINGS | 3 | | 3 or 4 | 3 or 4 | 3 or 4 | 3 or 4 | 4 | 4 |
| CONDITIONING RING | mm | 140 | 248 209 | 368 322 | 505 432 | 578 530 | 692 | 813 |
| INSIDE DIAMETER | in | 5.5 | 9.75 8.25 | 14.5 12.69 | 19.9 17 | 22.7 20.9 | 27.25 | 32 |
| HEIGHT OF OPEN FACE | mm | 670 | 940 | 940 | 991 | 991 | 914 | 914 |
| MACHINE | in | 26.5 | 36 | 37 | 39 | 39 | 36 | 36 |
| HEIGHT OF PNEUMATIC | mm | | 1630 | 2000 | 2350 | 2768 | 2820 | 2820 |
| LIFT MACHINE | in | | 64.2 | 78.75 | 92.5 | 109 | 111 | 111 |
| WORKING HEIGHT | mm | 310 | 940 | 940 | 1000 | 1000 | 912 | 912 |
| | in | 12.2 | 37 | 37 | 39.4 | 39.4 | 36 | 36 |
| WIDTH OF MACHINE | mm | 760 | 1220 | 1600 | 1422 | 2057 | 2120 | 2401 |
| | in | 30 | 48 | 63 | 56 | 81 | 83.5 | 94.5 |
| DEPTH OF MACHINE | mm | 620 | 1350 | 1620 | 2000 | 2184 | 2667 | 2970 |
| | in | 24 | 53.2 | 63.7 | 78.7 | 86 | 105 | 117 |
| STANDARD ELECTRICAL SUPPLY | 220 -1-50 or 380v or 415v 3Ph-50Hz | | 220v or 380v or 415v 3Ph-50Hz | 220v or 380v or 415v 3Ph-50Hz | 220v or 380v or 415v 3Ph-50Hz | 220v or 380v or 415v 3Ph-50Hz | 220v or 380v or 415v 3Ph-50Hz | 220v or 380v or 415v 3Ph-50Hz |
| MAIN DRIVE MOTOR | 0.37kW | | 1.5kW | 4.1kW | 7.5kW | 11kW | 15kW | 22kW |
| ABRASIVE PUMP MOTOR | 0.2kW | | 0.18kW | 0.18kW | 0.18kW | 0.18kW | 0.18kW | 0.18kW |
| GROSS WEIGHT OPEN FACE EXPORT PACKED | 156kg | | 730kg | 1220kg | 3800kg | 4000kg | 6650kg | 9979kg |
| NETT WEIGHT OPEN FACE | 116kg | | 555kg | 1000kg | 2845kg | 3700kg | 5359kg | 8400kg |
| GROSS WEIGHT PNEUMATIC LIFT EXPORT PACKED | n/a | | 997kg | 1880kg | 3570kg | 5573kg | 9876kg | 11923kg |
| NETT WEIGHT PNEUMATIC LIFT | n/a | | 700kg | 1530kg | 3145kg | 5273kg | 7930kg | 10439kg |

NOTE:- Metric/Imperial conversions are approximate. All dimensions are for machines fitted with KEMET Electronic Spray Systems. In the interests of development we reserve the right to change specifications without notice.