

Kemet

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

- Suitable for lift off disc system

Other versions

- COL-K polishing version
- Clipper sharpening version

Features

- Variable speed
- 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
- COL-K version
- Light beam guarding

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



Kemet

Flat Lapping Machines

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
- COL-K versions
- Light beam guarding

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 | 20 | 24 | 36 | 48 | 56 | 72

KEMET m/c MODEL		15	20	24	36	48	56	72
LAPPING PLATE	mm	381	508	610	914	1218	1422	1828
OUTSIDE DIAMETER	in	15	20	24	36	48	56	72
LAPPING PLATE SPEED		70rpm	70rpm	58rpm	58rpm	48rpm	48rpm	30rpm
NO OF CONDITIONING RINGS		3	3	3 or 4	3 or 4	3 or 4	3 or 4	4
CONDITIONING RING	mm	140	191	248 209	368 322	505 432	578 530	692
INSIDE DIAMETER	in	5.5	7.5	9.75 8.25	14.5 12.69	19.9 17	22.7 20.9	27.25
HEIGHT OF OPEN FACE	mm	670	648	940	940	991	991	914
MACHINE	in	26.5	25.5	36	37	39	39	36
HEIGHT OF PNEUMATIC	mm	-	-	1630	2000	2350	2768	2820
LIFT MACHINE	in	-	-	64.2	78.75	92.5	109	111
WORKING HEIGHT	mm	310	310	940	940	1000	1000	912
	in	12.2	12.2	37	37	39.4	39.4	36
WIDTH OF MACHINE	mm	760	883	1220	1600	1422	2057	2120
	in	30	34.75	48	63	56	81	83.5
DEPTH OF MACHINE	mm	620	686	1350	1620	2000	2184	2667
	in	24	27	53.2	63.7	78.7	86	105
STANDARD ELECTRICAL SUPPLY		220 -1-50 or 380v or 415v 3Ph-50Hz	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
MAIN DRIVE MOTOR		0.37kW	0.75kW	1.5kW	4.1kW	7.5kW	11kW	15kW
ABRASIVE PUMP MOTOR		0.2kW	0.05kW	0.18kW	0.18kW	0.18kW	0.18kW	0.18kW
GROSS WEIGHT		156kg	388kg	730kg	1220kg	3800kg	4000kg	6650kg
OPEN FACE								
EXPORT PACKED								
NETT WEIGHT		116kg	195kg	555kg	1000kg	2845kg	3700kg	5359kg
OPEN FACE								
GROSS WEIGHT		-	-	997kg	1880kg	3570kg	5573kg	9876kg
PNEUMATIC LIFT								
EXPORT PACKED								
NETT WEIGHT		-	-	700kg	1530kg	3145kg	5273kg	7930kg
PNEUMATIC LIFT								

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.