

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 LIFT MACHINE	mm		1630	2000	2350	2768	2820	2820
	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.