

# Kemet

## Series 15 BENCH MOUNTED PRECISION DIAMOND FLAT LAPPING & POLISHING MACHINES



The Kemet 15 is a bench mounted Lapping Machine of rigid metal construction with a Work Table, adjustable for height. It incorporates a digital Process Timer and a fully automatic Liquid Diamond Dispensing System.

- Produces optically flat surfaces with high precision surface finish.
- Reduced waste - only small quantities of diamond abrasive and non-toxic fluids are used.
- 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.
- Electrical System complies with EN 60 204.

# Kemet<sup>®</sup> Series 15

## BENCH MOUNTED PRECISION DIAMOND FLAT LAPPING & POLISHING MACHINES

### TECHNICAL DATA

**KEMET 15  
FIXED SPEED  
3 PHASE**  
For all diamond  
flat lapping  
applications.

**KEMET 15  
FIXED SPEED  
SINGLE PHASE**  
For light duty  
diamond flat lapping  
applications.

**KEMET 15 VS  
VARIABLE  
SINGLE PHASE**  
For light duty  
diamond lapping  
applications where  
variable speed  
control is required.

	Fixed Speed 3 Phase	Fixed Speed Single Phase	Variable Speed Single Phase
Height	700mm	700mm	700mm
Working Height	310mm	310mm	310mm
Width	750mm	750mm	750mm
Depth	600mm	600mm	600mm
Nett Weight	100kg	100kg	100kg
Lapping Plate Diameter	380mm	380mm	380mm
No of conditioning rings	3	3	3
Inside Diameter of Conditioning Rings	140mm	140mm	140mm
Main Motor	0.37kW	0.37kW	0.37kW
Abrasive Pump Motor	0.06kW	0.06kW	0.06kW
Air requirements	1 Bar min 5 Bar max	1 Bar min 5 Bar max	1 Bar min 5 Bar max
Electronic Dispensing equipment	Standard	Standard	Standard
Digital Tachometer	N/A	N/A	Standard
Hand Weights	3kg standard	3kg standard	3kg standard
Lift Off Disc Assembly	Optional	Optional	Optional
No of Sweep Arms	3 Optional	3 Optional	3 Optional
Shoulder Lapping Conversion	Optional	Optional	Optional
Fibre Optic Polishing Conversion	Optional	Optional	Optional
Metallurgical Polishing Conversion	Optional	Optional	Optional
Electrical Supply	3 Phase 415v 50Hz or 380v 50Hz	Single Phase 230v 50Hz	
Special voltages are available on request			

For more information on Kemet Lapping and Polishing Plates please refer to Data Sheet and for Liquid Diamond Dispenser Products refer to Data Sheet 5:2. There are separate Data Sheets available for larger Kemet Lapping and Polishing Machines.

Although the details shown are correct at time of printing, Kemet International Ltd reserve the right to alter or modify the specification of their products without prior notification.

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