

Kemtech III Geological lapping Machine



The Kemtech III Geological lapping machine is able to accurately lap and polish thin sections mounted on glass slides down to 30 microns. Metered dosing of conventional and diamond abrasives is applied to the lapping plate using the aKu-Disp Geo peristaltic dispenser. The Kemet Lift off Disc system allows quick transitions between the lapping and polishing stages.

Features

- Cast iron Serrated Lift Off Disc
- Aluminium Lift off Disc
- Variable Speed up to 70 rpm
- Capacity for up to 3 vacuum jigs with diamond faced stoppers
- Water Trap and Filter
- Stand –alone vacuum pump
- Integrally mounted high torque drive unit with 0.37kW (0.5HP) motor
- Sealed maintenance free reduction gearbox
- Three adjustable conditioning ring roller bearing yoke assemblies
- aKu-Disp Geo accurate peristaltic dispensing system for metered dosing
- Integrated abrasive tank with stirrer
- Electronic digital timer with variable time ranges
- Electrical: 230V-single phase-50Hz

Kemet International Limited

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Technical Specifications:

Height:	400mm	AkuDisp Geo Peristaltic Pump with additional stirrers
Working Height:	310mm	Unit:
Width:	800mm	Standard
Depth:	650mm	
Nett Weight:	90Kgs	
No of jig stations:	3	
Main Motor:	0.37kW	

Kemtech III Recommended Accessories

Description	Code
Set of 3 Cast Iron Serrated Conditioning Rings	360203
Set of 3 Plastic Faced Conditioning Rings	361521
380mm Cast Iron Serrated Lift Off Plate	362433
380mm Aluminium Lift Off Disc	361001
380mm Lift Off Disc Conversion Plate	361002
380mm Thin Metal Disc (For use with magnetic system)	345563
380mm Magnetic Disc	345773



AKUDISP	Code
Spare Peristaltic Head Unit with Tube	362520
AkuDisp Feedarm	362514
Spare Tubing (x 2 x 1 meter)	360496



Recommended Consumables	Code
F600 Green Silicon Carbide Powder 1Kg	361513
380mm PSU-M Chemo-Textile Cloth	341011
380mm MRE Short Napped Final Polishing Pad	360496
9WM diamond suspension (Water based mono diamond)	219009
6WM diamond suspension (Water based mono diamond)	219008
3WM diamond suspension (Water based mono diamond)	219006
1WM diamond suspension (Water based mono diamond)	219004



Vacuum Jigs	Code
To suit slides	
4 x (76x26mm) or 2 x (76 x 51mm)	362072A
6 x (46x26mm)	362072B
1 x (100x100mm wafer)	362072C
6 x (48x28mm)	362072D
6 x (45x60mm)	362072E
Rotade rotation assist post.	362895

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