



METTECHNIK

One stop solution in Metallurgy Testing

Fully Automatic Grinder / Polisher METALL-LMP 3S



Automatic Polishing Machine for finer polishing surface on Metallographic, Ceramic, Geological Samples

10" Double Aluminium Detachable Disc

Corrosion Resistant FRP Hood

Variable Speed 50 - 1000 RPM

1 HP High torque AC Motor

Single/Individual Pressure Specimen loading

Pressure on sample – 5N – 90 N

Pneumatically applied

Detachable Coolant Jet for manual cleaning of bowl after operation

Provision to use disc of 8" dia

With Interchangeability of Specimen Sizes of 1 ¼", 1 ½" & 2"

Facilitates permanent fixing of Magnetic disc

Machines offers manual mode for increased flexibility

Aluminium Disc - 2 Nos

Holding Band- 2 Nos



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Holding Ring- 2 Nos

Splash Guard to avoid spilling of water during polishing

Coolant Jet to minimize heating of samples during operation

Lid Cover

Display System

Advanced PLC based Touch Screen System

Pre Set Programming

Data base Storage system up to 50

Automatic Specimen Head

¼ Hp Independent Polishing Head Motor

Polisher Head Variable Speed : 5 to 150 RPM

1 ¼" Specimen Holder comes with the Machines as Standard

Movement – Up & Down

Clockwise & Anticlockwise rotation

Power Supply : 230V / 50Hz (Single Phase + Neutral + Earth)

Variable Speed 50 - 1000 RPM

Optional Accessories

Central Pressure Loading System - 1 No

Air Drier - 1 No

1 1/2 " Specimen Holder- 1 No

2"Specimen Holder- 1 No

Automatic / Manual with variable Dosing Unit (3 x DiamondSuspension and 1 x Lubricant)- 1 No

Silent Air compressor - 1 No

Consumables

Silicon carbide Polish paper Disc 220 grit 250 mm -50 No

Silicon carbide Polish paper Disc 320 grit 250 mm -50 No

Silicon carbide Polish paper Disc 400 grit 250 mm -50 No



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Silicon carbide Polish paper Disc 600 grit 250 mm -50 No

Silicon carbide Polish paper Disc 800 grit 250 mm -50 No

Silicon carbide Polish paper Disc 1000 grit 250 mm -50 No

Polishing Compound (Imported)

Diamond paste 1 micron 5 mg -10 No

Diamond paste 1 micron 5 mg -10 No

Lavigated Alumina Paste 500 gm -2 No

Lubricant

Lubricant for diamond polishing, water soluble, oil based, in 250 ml bottle.-10 No

Polishing Cloth

Sylvet Brown -250 mm diamond polishing - 20 No.

Velvet Brown -250 mm Alumina Paste - 20 No.

We also supply all types of Metallography Equipments

