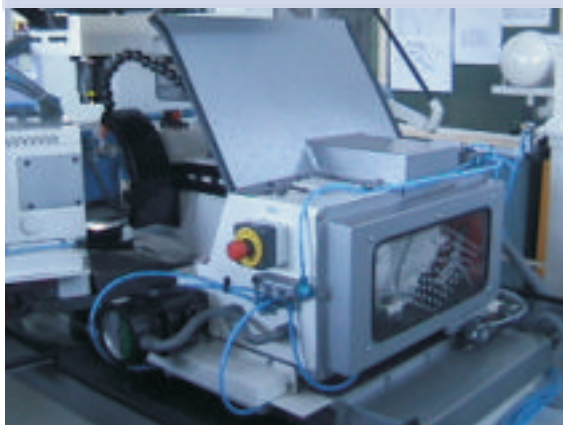


WDM Series Wheel Profiling Machines



Optical & Wheel Head Assembly



Work Head Assembly



Technical Data



The WDM series of Wheel Profiling Machines are compact and sturdy. Sub-assembly groups and operating stations are ergonomically designed and operator friendly. Parts are easily accessible for maintenance.

Applications:

- Dressing and profiling convex profiles of Diamond & CBN Wheels

Features:

- Ergonomically designed

- Operator friendly
- Easy accessibility for operation
- Rigid design
- Linear bearings for slide movement
- Micro fog lubrication for linear bearings
- Precision grinding spindle for wheel and work
- Air purge for work spindle
- Machine operation controlled through PLC
- Certified for CE compliance

Models		WDM 15	WDM 25
Diamond Wheel			
Max. Dia Ground	mm	300	480
Min. Dia Ground	mm	40	40
Max. Width Ground	mm	25	30
Wheel Head / Dressing Unit			
Spindle Size	mm x mm	Dia 70 x 210 L	Dia 80 x 285 L
Dressing Wheel Size	mm x mm x mm	180 x 31.75 x 13	180 x 31.75 x 13
Speed of Dressing Wheel	rpm	1900	1900
Oscillation Stroke	mm	60	60
Oscillation Speed (Continuous Variable)	mm/sec max.	67	67
Swivel Range	deg.	190 (± 95 deg)	190 (± 95 deg)
Work Head			
Spindle Size	mmxmm	Dia 80 x 250 L	Dia 120 x 250 L
Work Speed	rpm	240	245
Infeed X-axis	mm	150	250
Cross Traverse	mm	110	130
Optics			
Enlargement		10x Std (20x Optional)	10x Std (20x Optional)
Screen Dia.	mm	300	300 Std (500 optional)
Coolant System			
Tank Capacity	litres	110	150
Flow Rate	Litres/Min.	63	63
Motor Power			
Wheel Head / Dressing Unit	kW	0.75	1.1
Work Head	kW	0.75	1.1
Oscillation Motor	kW	0.12	0.12
Coolant System	kW	0.18	0.18
Work Head Cross Traverse (Stepper Motor)	kg-cm.	28	44
Dust Collector	kW	2.2	2.2
Total Power Input	kVA	9	10
Incoming Power Supply		415V/3 Phase/50 Hz/3 Wire	415V/3 Phase/50 Hz/3 Wire
Installation Data			
Floor Area Inclusive of Accessories	mm	3600 x 3050	3700 x 3050
Weight of the Machine	kg. (app)	1600	2000

Since continuous improvements are made, specifications are subject to change without notice.

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