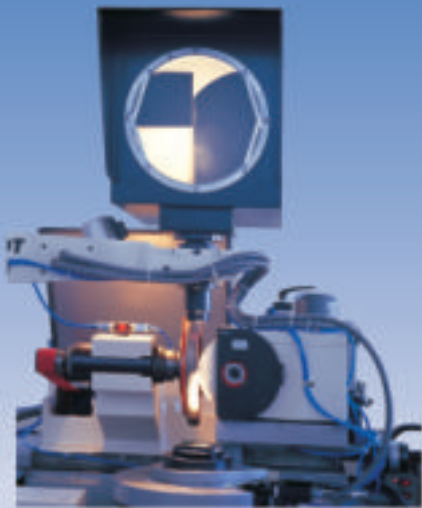


# WDM Series Wheel Profiling Machines



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
<b>Diamond Wheel</b>			
Max. Dia Ground	mm	300	480
Min. Dia Ground	mm	40	40
Max. Width Ground	mm	25	30
<b>Wheel Head / Dressing Unit</b>			
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)
<b>Work Head</b>			
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
<b>Optics</b>			
Enlargement		10x Std (20x Optional)	10x Std (20x Optional)
Screen Dia.	mm	300	300 Std (500 optional)
<b>Coolant System</b>			
Tank Capacity	litres	110	150
Flow Rate	Litres/Min.	63	63
<b>Motor Power</b>			
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
<b>Installation Data</b>			
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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