

CDM Series

Optical Projector and Video
Vision Versions for max.
wheel $\varnothing 350$, $\varnothing 480$



Key Features

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

Applications

Dressing and profiling convex profiles of Diamond and CBN Wheels

Features

Linear bearings for slide movement

Precision grinding spindle for wheel and work head Air purge for work spindle

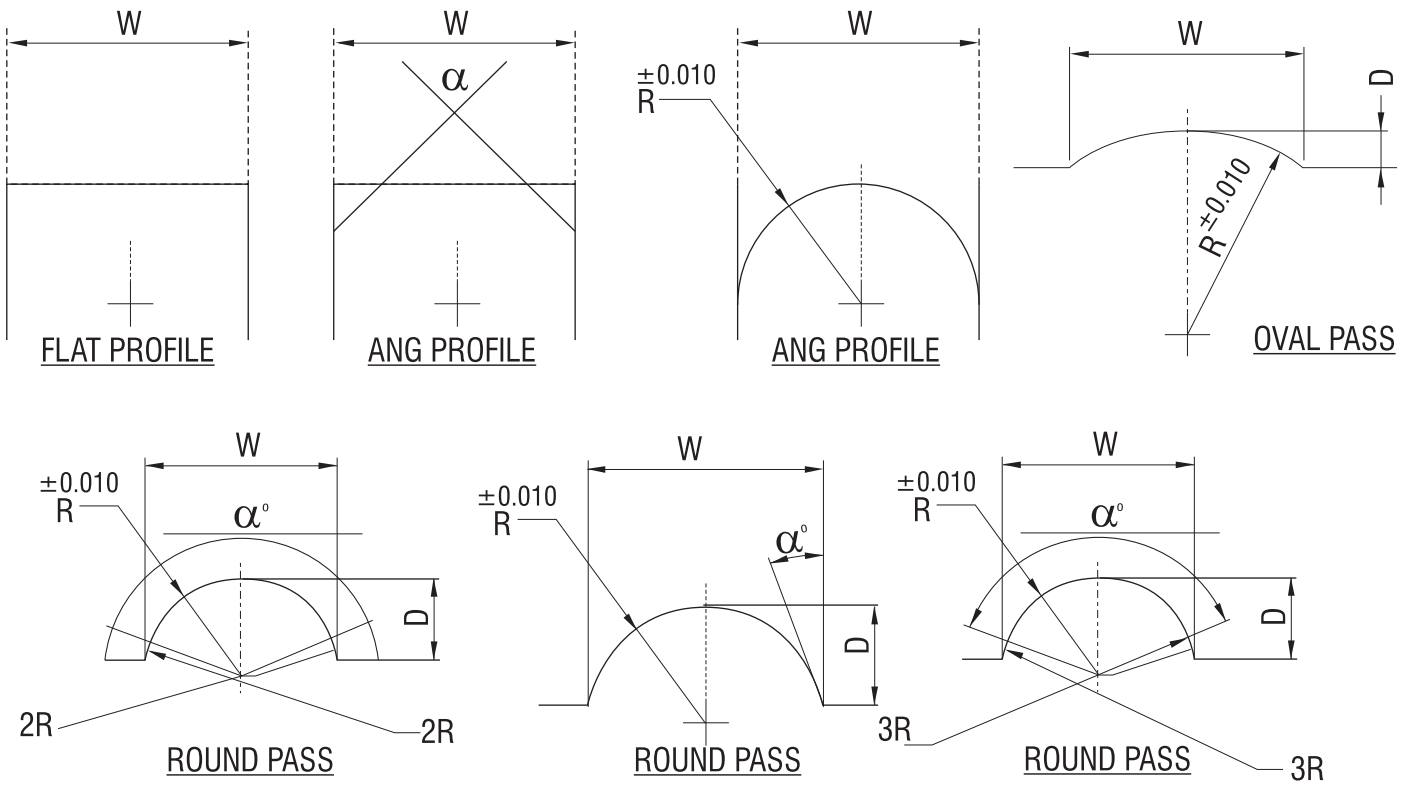
Machine operation controlled through PLC

Certified for CE compliance

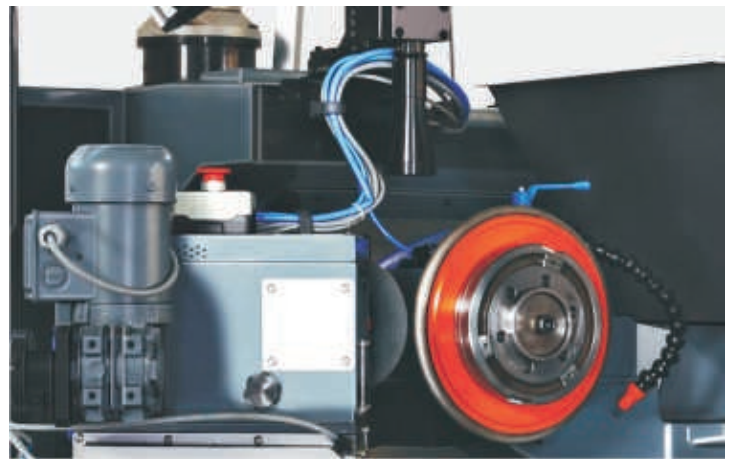
Models	unit	CDM 15P	CDM 15V	CDM 25
Diamond Wheel				
Max. dia. ground	mm	350	350	480
Min. dia. ground	mm	40	40	40
Max. width ground	mm	25	45	30
Wheel Head / Dressing Unit				
Spindle size	mm x mm	Ø70 x 210L	Ø70 x 210L	Ø80 x 285L
Dressing wheel size	mm	180 x 31.75 x 13/6	180 x 31.75 x 13/6	180 x 31.75 x 13/6
Speed of dressing wheel	rpm	1900	1900	1900
Oscillation stroke	mm	60	60	60
Oscillation speed - max. (continuous variable)	mm/sec	67	67	67
Swivel range	deg.	190 (±950)	190 (±950)	190 (±950)
Work Head				
Spindle size	mm x mm	Ø100 x 250L	Ø100 x 250L	Ø120 x 250L
Work speed	rpm	240	240	245
In-feed X-axis	mm	150	150	250
Cross traverse	mm	110	110	130
Image Display		Optics		Optics
Magnification		10x , 20X	9X to 108X	10X, 20X
Focal adjustment	mm	± 20	± 20	± 20
Screen size	mm	Ø300	17" x 19" monitor	Ø300 (Ø500 opt)
Software		Wendt Metrologix V2.0		
Coolant System				
Tank capacity	litres	110	110	150
Flow rate	litres/min	63	63	63
Motor Power				
Wheel head / Dressing Unit	kW	0.75	0.75	1.1
Work head	kW	0.75	0.75	1.1
Oscillation motor	kW	0.12	0.12	0.12
Coolant system	kW	0.18	0.18	0.18
Dust collector	kW	2.2	2.2	2.2
Total power input	kVA	9	9	10
Incoming power supply		415V/3 Phase/50Hz/3 wire		
Installation Data				
Floor area inclusive of accessories	mm	3600 x 3050	3600 x 3050	3700 x 3050
Weight of the machine	kg(app.)	1600	1600	2000

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

Shapes Library for Video Vision System



Optical Projector



Work Head Assembly

Delapena Grinding and Industrial Abrasives

Super Abrasives:

Delapena Grinding and Industrial Abrasives supply the widest range of Diamond and CBN Wheels as per International FEPA standards. When it comes to complex grinding or tough to machine materials, Delapena is your automatic choice. Our technological superiority comes from our access to the latest technology.



To learn more about any of our products and services from Delapena Grinding and Industrial Abrasives visit www.delapena.co.uk or www.delapenaonline.com

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