



Cincinnati R125

Centerless grinding machine



High precision and maximized productivity

- Through-feed or plunge infeed working method used for various types of bars, tubes, cam shafts, gear shafts and rollers
- High precision roundness, runout and dimensional accuracy
- High stock removal rate
- Very short cycle time to meet high industrial production standards

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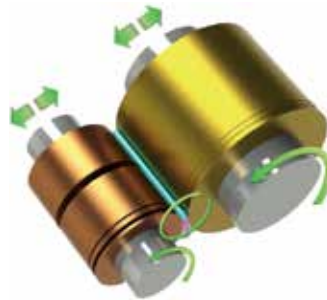
Every Cincinnati grinder is specifically designed to comply with customers' requirements while offering ultimate precision and reliability. Full CNC control for all machine functions (Siemens 840D, Fanuc, etc.).

FEATURES

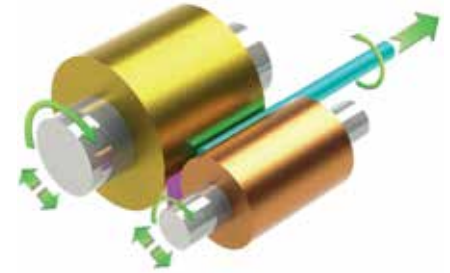
- CNC controlled motors & electric devices
- Automatic clamping of regulating wheel slide
- Automatic lubrication system
- Variable speed control regulating wheel
- Twin-grip anti friction spindle bearings
- Grinding wheel balancer
- Gap eliminator & wheel radius acquisition

OPTIONS

- Rotary disc, rotary plunge dressing system
- Part handling with automatic load-unload
- Automatic taper compensation
- Post process gauging & wash station



Plunge infeed working method



Through-feed working method

Model	Cincinnati R125	
	500	660
Type	Twin grip fixed-blade	Twin grip fixed-blade
Working capacity		
Min. / Max. outer diameter	2 - 250 mm (0.08" - 9.5")	2 - 300 mm (0.08" - 11.8")
Grinding wheel		
Sizes / width	508 mm (20")	650 mm (26.6")
Max. / Min. OD	610 / 410 mm (24 " / 16")	610 / 410 mm (24 " / 16")
Motor power	110 kW	110 kW
Peripheral speed	45 (60) m/sec (148 ft/sec)	45 (60) m/sec (148 ft/sec)
Regulating wheel		
Sizes / width	508 mm (20")	508 mm (20")
Max. / Min. OD	355 / 250 mm (14" / 9.8")	355 / 250 mm (14" / 9.8")
Motor power	3.3 kW	3.3 kW
Operating speed	10 - 300 rpm	10 - 300 rpm
Infeeds		
Max. plunge infeed	1,500 mm/min (4.9 ft/min)	1,500 mm/min (4.9 ft/min)
Min. plunge infeed	0.1 mm/min (0.004 in/min)	0.1 mm/min (0.004 in/min)
Dimensions		
Dimensions (W x D x H)	3,400 x 1,800 x 1,900 mm (11.2' x 5.9' x 6.2')	3,400 x 2,000 x 1,900 mm (11.2' x 6.6' x 6.2')
Machine weight	18,000 kg (39,683 lb)	20,000 kg (44,092 lb)

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CONTACT US

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