



Cincinnati Viking & RK

Centerless grinding machine



The Viking can process a variety of components within the agriculture, automotive (engine, transmission, fuel systems), aerospace, bearing, construction & power transmission industries

- Best in class 3,000,000+ lb/in. of static stiffness machine base
- Conventional (45 m/s) or superabrasive (80 m/s) capability

Compact centerless grinder

Cincinnati centerless grinders are known for their world class reliability, high accuracy and rigidity and peak throughput; delivering lower part cost with exceptional quality. Backed by the most comprehensive grinding resource team in the industry for sales, service, parts, training, design, application, abrasives /dressing tools and total process solutions, the Cincinnati Viking is the benchmark for centerless grinding technology.

FEATURES

- Siemens, Fanuc & Allen-Bradley controls offering
- CNC controlled motors & electric devices
- Automatic lubrication system
- Variable frequency drive grinding wheel
- Variable speed control regulating wheel
- Twin-grip anti friction spindle bearings
- Sub-micron control resolution 0.1 micron
- Machine enclosure

OPTIONS

- Grinding wheel balancer
- Material handling with auto load-unload
- Coolant filtration system or mist collection
- Customizable tooling
- Acoustic emission dressing
- Conventional, rotary disc/plunge dressing systems
- Post process gauging

Model	Cincinnati Viking	Cincinnati RK
	250	350-20
Type	Twin grip	Twin grip
Working capacity		
Min. / Max. outer diameter	1.2 - 60 mm (0.05" - 2.4")	12.7 - 152 mm (0.5" - 6")
Grinding wheel		
Sizes / width	250 mm (9.8")	508 mm (20")
Max. / Min. OD	450 / 300 mm (17.7" / 11.8")	610 / 431 mm (24" / 17")
Motor power	15 / 30 kW*	37 / 55 kW*
Peripheral speed	45 (60) m/sec (148 ft/sec)	45 (60) m/sec (148 ft/sec)
Regulating wheel		
Sizes / width	250 mm (9.8")	508 mm (20")
Max. / Min. OD	355 / 255 mm (14" / 10")	355 / 279 mm (14" / 11")
Motor power	3.3 kW	3.3 kW
Operating speed	10 - 600 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)	3,100 x 2,700 x 2,300 mm (10.2' x 8.9' x 7.6')	3,300 x 2,800 x 2,700 mm (10.8' x 9.2' x 8.9')
Machine weight	9,072 kg (20,000 lb)	11,794 kg (26,000 lb)

*upgraded grinding wheel motor available upon request

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