



CNC cylindrical grinder

CRG CNC

For grinding in the sub-micron range.

9x20" to 19x78"

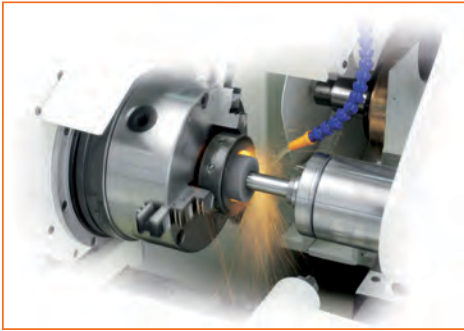


Standard configuration

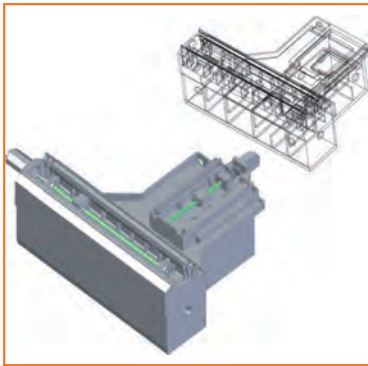
- Fanuc CNC control (2 axes)
- Grinding wheel flange (Balanced and mounted)
- Glass linear scales for X-axis
- Diamond dresser
- Separate hydraulic unit with oil/air cooling
- Coolant system
- Work light
- Fixed centering tips (2 pcs)
- Tool kit
- Operation manual

Specifications			CRG CNC				
			250/500	320/600	320/1000	320/1500	320/2000
			-	380/600	380/1000	380/1500	380/2000
			-	500/600	500/1000	500/1500	500/2000
			9" x 20"	12/14/19" x 24"	12/14/19" x 39"	12/14/19" x 59"	12/14/19" x 78"
Swing over table	CRG 250/ 320	mm	Ø250 (9.8")	Ø320 (12.6")			
	CRG 380	mm	-	Ø380 (15")			
	CRG 500	mm	-	Ø500 (19.6")			
Max grinding diameter	CRG 250/ 320	mm	Ø250 (9.8")	Ø300 (12")			
	CRG 380	mm	-	Ø360 (14")			
	CRG 500	mm	-	Ø480 (19")			
Infeed angle		°	60°				
Distance between centers	mm		500 (19.6")	600 (23.6")	1000 (39")	1500 (59")	2000 (78")
Max load between centers	kg		80 (175 lbs)	150 (330 lbs)			250 (550 lbs)
GRINDING WHEEL							
Diameter x width x bore	mm		Ø455x50xØ127 (18x2x5")		Ø510x50xØ152.4 (20x2x6")		
Motor rated power	kW		3.75 (5 Hp)		7.5 (10 Hp) [opt. 11 (15 Hp)]		
Wheel speed	rpm		1400		1250 [opt. 1650]		
WORKHEAD							
Swiveling angle		°	90°				
Spindle speed (infinitely variable)	rpm		10 ~ 600				
Motor rated power	kW		0.75 (1 Hp)				
Center taper			MT3		MT4 [opt. MT5]		
TAILSTOCK							
Quill travel	mm		25 (1")		25 (1") [opt. 50/75 (2/3")]		
Center taper			MT3		MT4 [Opt. MT5]		
X axis	Travel	mm	200 (7.8")		270 (10.6)		
	Max rapid feed rate	m/mm	6 (236"/min)				
	Minimum increment	mm	0.0001 (0.000004")				
Z axis	Travel	mm	750 (29.5")	850 (33.4")	1250 (49")	1850 (73")	2450 (96")
	Swiveling angle	°	±7°	±9°	±7°	±5°	
	Max rapid feed rate	m/min	8 (26')		10 (33'/min)		
Minimum increment	mm	0.0001 (0.000004")					
Weight	kg		3100 (6,280 lbs)	5600 (12,320 lbs)	5800 (12,760 lbs)	6300 (13,860 lbs)	6700 (14,740 lbs)
Item No. model 250/320			3100110	3100111	3100112	3100113	3100114
Item No. model 380				3100115	3100116	3100117	3100119
Item No. model 500				3100120	3100121	3100122	3100123

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.

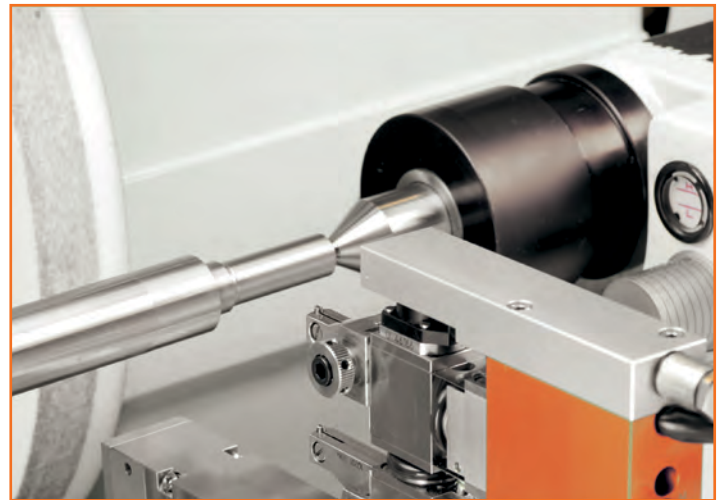
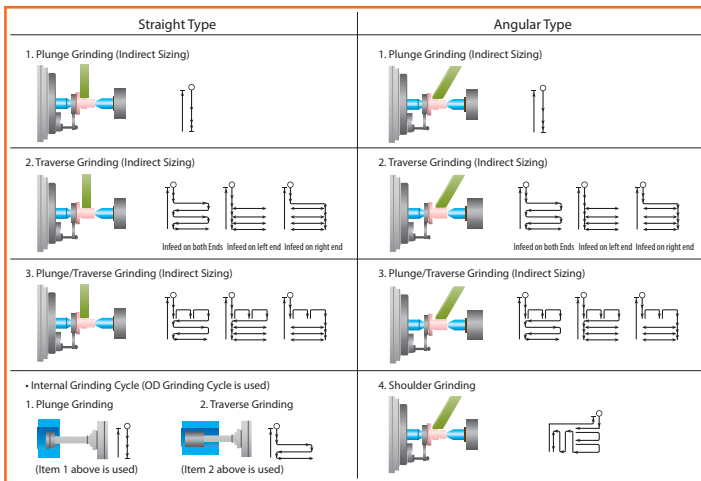


- A heavy Meehanite cast frame, heat treated and stress-relieved, provides a solid foundation for the CRG CNC cylindrical grinding machines
- All guideways are hardened and precision ground to ensure permanent accuracy and wear resistance. Another highlight of this series is the special table design, which uses a system for extremely smooth motion and precision
- The grinding spindle is made of high quality steel
- The grinding spindle uses a high-precision hydrostatic spindle bearing.
- A wide range of options for your special applications are available on request



Optional configuration

- Internal grinding unit
- Coolant system with paper filter and magnetic separator
- Spindle bearing
- 2-point steady rest
- 3-point steady rest
- Touch probe for axial positioning of work pieces
- Automatic grinding wheel balancing system
- Balancing stand and balancing shaft
- Automatic IN PROCESS work piece measurement
- Oil mist collector
- Hydraulic-driven tailstock
- Headstock with bore, Ø80mm
- Complete enclosure
- Glass linear scales for Z-axis
- Automatic loading and unloading



- Advanced machine concept, innovative design and cutting-edge components from reputable manufacturers are key elements which characterize these CNC cylindrical grinding machines
- Exceptional accuracy
- Standard grinding cycles include dressing of the wheel, as well as grinding cycles of concave and convex surfaces
- Specially designed fine feeds allow grinding results with mirrored surfaces, to an accuracy of 0.1 micron

