



CNC Centerless cylindrical grinding

CLG CNC

with Fanuc controller



- Equipped with a modern Fanuc Oi-Mate TD controller
- Digital drive package from Fanuc (drives, axis servos)
- Drive concept with up to 6 CNC axes (X/Y/Z/A/B/C axes)
- Easy size adjustment. Easy to learn and understand.
- PLC/controlled oil temperature monitoring
- Feed accurately programmable by servo drives
- Variable speed for the regulating wheel

Optional configuration

- Coolant system with paper filter and magnetic separator
- Ejector for plunge grinding
- Balancing stand
- Guide unit for rod through feed grinding
- Automatic feed device
- Automatic grinding wheel balancing system
- Automatic loading and unloading
- Grinding wheels, various sizes and grit
- Automation for in-feed grinding

Standard configuration

- ✓ Top-performance and easy to learn CNC control
- ✓ High-quality mono-block machine casting
- ✓ Grinding wheel (Balanced and mounted)
- ✓ Regulating wheel (Balanced and mounted)
- ✓ Grinding spindle with hydrodynamic support
- ✓ Flow control for grinding wheel lubrication
- ✓ Automatic lubrication
- ✓ Linear dressing movement for grinding and regulating wheel
- ✓ Work piece support stand with carbide area for through feed grinding
- ✓ Diamond dresser
- ✓ Coolant system
- ✓ Work piece support stand with carbide blade for plunge grinding
- ✓ Separate hydraulic unit with oil/air cooling
- ✓ Work light
- ✓ Tool kit
- ✓ Operation manual



Specifications		40150	60205	60205L	60255	60305	100205	100255	100305	
		1.5"	2.3"	2.3"	2.3"	2.3"	3.9"	3.9"	3.9"	
GRINDING WHEEL										
Grinding capacity	mm	Ø1-40 (0.03-1.5")		Ø1-60 (0.03-2.3")			Ø1-100 (0.03-3.9")			
Capacity increases with special fixtures	mm	Ø30-60 (1-2.3")		Ø40-150 (1.5-5.9")			-			
Dimensions	mm	Ø305x150 xØ120 (12x6x4.7")	Ø455x205 xØ228.6 (17x8x9")	Ø510x205 xØ304.8 (20x8x12")	Ø455x255 xØ228.6 (17x10x9")	Ø455x305 xØ228.6 (17x12x9")	Ø610x205 xØ304.8 (24x8x12")	Ø610x255 xØ304.8 (24x10x12")	Ø610x305 xØ355.6 (24x12x14")	
Speed	rpm	1900	1500	1200	1500		1250			
Motor	kW	5.5 (7.4 Hp) x4P	11 (15 Hp) x4P	15 (20 Hp) x4P	11 (15 Hp) x4P	15 (20 Hp) x4P	18.8 (25 Hp) x4P			
REGULATING WHEEL										
Dimensions	mm	Ø205x150 xØ90 (8x5.9x3.5")	Ø255x205 xØ111.2 (10x8x4.3")	Ø305x205 xØ127 (12x8x5")	Ø255x255 xØ111.2 (10x10x4.3")	Ø255x305 xØ111.2 (10x12x4.3")	Ø330x205 xØ127 (12x8x5")	Ø330x225 xØ127 (12x10x5")	Ø330x205 xØ127 (12x8x5")	
Speeds	rpm	10-300 (variable)								
Motor (servomotor)	kW	1.5 (2 Hp)	3.5 (5 Hp)			5 (6 Hp)				
Tilt angle	deg	+5° - -3°								
Swivel angle	deg	±5°								
DRIVE MOTOR										
Hydraulic pump motor	kW	0.75 (1 Hp) x4P								
DIMENSIONS										
Weight	kg	1700 (3,740 lbs)	2900 (6,380 lbs)	3700 (8,140 lbs)	3000 (6,600 lbs)	3400 (7,480 lbs)	4500 (9,900 lbs)	4600 (10,120 lbs)	5000 (11,000 lbs)	
Item No.		3100130	3100131	3100132	3100133	3100134	3100135	3100136	3100137	

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