

CNC Centerless external cylindrical grinding  
**CLG CNC**  
with Fanuc controller



T e c h n i c a l   D a t a s h e e t



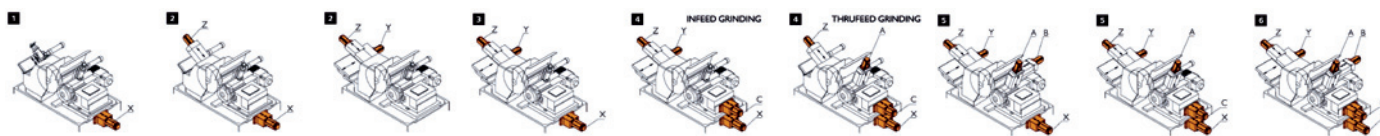
- Equipped with a modern Fanuc Oi-Mate TD controller
- Digital drive package from Fanuc (drives, axis servos)
- Drive concept with up to 6 CNC axes (X-, Y-, Z-, A-, B-, C-axis)
- Easy size adjustment. Easy to learn and understand
- PLC/controlled oil temperature monitoring
- Feed accurately programmable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

### Optional configuration:

- Coolant filtration system, paper or magnetic system
- Ejector for plunge grinding
- Balancing stand
- Guide unit for rod through feed grinding
- Automatic feed device
- Automatic grinding wheel balance counter system,
- Automatic loading and unloading
- Grinding wheels, various sizes and grit
- Automation for in-feed grinding

### Standard configuration:

- ✓ Top-performance and easy to learn NC control with touch-screen
- ✓ Machine basement casted by quality iron, design in mono-block style
- ✓ Grinding wheel (Balanced and mounted)
- ✓ Regulating wheel (Balanced and mounted)
- ✓ Grinding spindle with hydrodynamic support
- ✓ Flow control for grinding wheel lubrication
- ✓ Automatic central 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
- ✓ Halogen lamp
- ✓ Operating tools
- ✓ Manual



Technical specifications		CLG CNC							
		40150	60205	60205L	60255	60305	100205	100255	100305
<b>Grinding wheel</b>									
Max. Grinding capacity	mm	Ø 1-40 (0.03"-1.5")	Ø 1-60 (0.03"-2.3")	Ø 1-60 (0.03"-2.3")	Ø 1-60 (0.03"-2.3")	Ø 1-60 (0.03"-2.3")	Ø 1-100 (0.03"-3.9")	Ø 1-100 (0.03"-3.9")	Ø 1-100 (0.03"-3.9")
Capacity increases with special arrangement	mm	Ø 30-60 (1"-2.3")	Ø 40-150 (1.5"-5.9")	Ø 40-150 (1.5"-5.9")	Ø 40-150 (1.5"-5.9")	Ø 40-150 (1.5"-5.9")	-	-	-
Dimensions	mm	Ø 305 x 150 x Ø 120 (12"x6"x 4.7")	Ø 455 x 205 x Ø 228.6 (17"x8"x9")	Ø 510 x 205 x Ø 304.8 (20"x8"x12")	Ø 455 x 255 x Ø 228.6 (17"x10"x9")	Ø 455 x 305 x Ø 228.6 (17"x12"x9")	Ø 610 x 205 x Ø 304.8 (24"x8"x12")	Ø 610 x 255 x Ø 304.8 (24"x10"x12")	Ø 610 x 305 x Ø 355.6 (24"x12"x14")
Speed	rpm	1900	1500	1200	1500	1500	1250	1250	1250
Motor	kW	5.5 kW (7.4 Hp) x 4P	11 kW (15 Hp) x 4P	15 kW (20 Hp) x 4P	11 kW (15 Hp) x 4P	15 kW (20 Hp) x 4P	18.8 kW (25 Hp x 4P)	18.8 kW (25 Hp x 4P)	18.8 kW (25 Hp x 4P)
<b>Regulating wheel</b>									
Dimension	mm	Ø 205 x 150 x Ø 90 (8"x5.9"x3.5")	Ø 255 x 205 x Ø 111.2 (10"x8"x4.3")	Ø 305 x 205 x Ø 127 (12"x8x5")	Ø 255 x 255 x Ø 111.2 (10"x10"x4.3")	Ø 255 x 305 x Ø 111.2 (10"x12"x4.3")	Ø 330 x 205 x Ø 127 (12"x8"x5")	Ø 330 x 225 x Ø 127 (12"x10"x5")	Ø 330 x 205 x Ø 127 (12"x8"x5")
Speed	rpm	10~300 (variable)	10~300 (variable)	10~300 (variable)	10~300 (variable)	10~300 (variable)	10~300 (variable)	10~300 (variable)	10~300 (variable)
Motor	kW	1.5 kW (2 Hp) servomotor	3.5 kW (5 Hp) servomotor	3.5 kW (5 Hp) servomotor	3.5 kW (5 Hp) servomotor	3.5 kW (5 Hp) servomotor	5 kW (6Hp) servomotor	5 kW (6Hp) servomotor	5 kW (6Hp) servomotor
Tilt angle	deg.	+5° ~ -3°	+5° ~ -3°	+5° ~ -3°	+5° ~ -3°	+5° ~ -3°	+5° ~ -3°	+5° ~ -3°	+5° ~ -3°
Swivel angle	deg.	±5°	±5°	±5°	±5°	±5°	±5°	±5°	±5°
<b>Drive motors</b>									
Hydraulic pump	kW	0.75 kW x 4P (1 Hp x 4P)	0.75 kW x 4P (1 Hp x 4P)	0.75 kW x 4P (1 Hp x 4P)	0.75 kW x 4P (1 Hp x 4P)	0.75 kW x 4P (1 Hp x 4P)	0.75 kW x 4P (1 Hp x 4P)	0.75 kW x 4P (1 Hp x 4P)	0.75 kW x 4P (1 Hp x 4P)
Coolant pump	kW	0.09 kW x 2P (0.1 Hp x 2P)	0.2 kW x 2P (0.2 Hp x 2P)	0.2 kW x 2P (0.2 Hp x 2P)	0.2 kW x 2P (0.2 Hp x 2P)	0.2 kW x 2P (0.2 Hp x 2P)	0.2 kW x 2P (0.2 Hp x 2P)	0.2 kW x 2P (0.2 Hp x 2P)	0.2 kW x 2P (0.2 Hp x 2P)
Weight	kg	1700 (3740 lbs)	2900 (6380 lbs)	3700 (8140 lbs)	3000 (6600 lbs)	3400 (7480 lbs)	4500 (9900 lbs)	4600 (10120 lbs)	5000 (11000 lbs)
Item-No.		<b>3100130</b>	<b>3100131</b>	<b>3100132</b>	<b>3100133</b>	<b>3100134</b>	<b>3100135</b>	<b>3100136</b>	<b>3100137</b>

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