



# GTW-30 CNC

## 30" Heavy Duty CNC Big Bore Lathe

- + A2 - 11 Spindle w/ 6-5/8" Bore
- + 30 - 1,000 RPM Standard
- + A2-15 Spindle w/ 10" Bore, 18 - 600 RPM Optional
- + 2-Gear Ranges for Increased Cutting Torque
- + 8-Station Tool Turret – Any combination of ID/OD tools
- + Dual-Turrets (Front & Rear of cross slide) Available
- + Bore-Bar Holder Available for rear of cross slide
- + Available in 60", 80", 120" & 160" Center Distances
- + FANUC 0i-TF Control and FANUC Axis & Spindle Drives

<b>Capacity &amp; Dimensions</b>	Swing over Bed	30"	760 mm
	Turning Diameter (in front of cross-slide w/8-station turret turning tool)	22"	560 mm
	Swing over Cross-Slide (turning diameter over cross-slide)	19"	480 mm
	Turning Length is 11" less than Z-axis travel when using the standard 3-jaw chuck & 8-station tool turret.		
	Center Height	15"	380 mm
	Bed width of ways	18"	460 mm
	Bed Casting Height	15.75"	400 mm
<b>Spindle</b>	Spindle Motor Horsepower (Fanuc 15Kw-18Kw)	30-HP Peak (25-HP 30-min. rated)	
	Spindle speeds	30-1,000 RPM	
	Spindle Gear Ranges - 2-automatically selected gear ranges	L= 30-300 RPM H= 10-1,000 RPM	
	Spindle Bore (10" bore optional)	6.69"	170 mm
	Spindle Nose (Front & Rear) / Bearing	A2-11 / Taper Roller Bearing	
	Spindle Torque for 6-5/8" bore – low gear / high gear	1,180 / 346 ft. lbs.	1,600 / 470 Nm
	Big-Bore Spindle Option – Bore Size	10"	255 mm A2-15 spindle
	Big-Bore Spindle Speeds	18-600 rpm in 2-ranges	
	Big-Bore Spindle Gear Ranges - 2-automatically selected gear ranges	Low 18-186 rpm / High 60-600 rpm	
Big-Bore Spindle Torque for 10" bore – low gear / high gear	1475 / 442 ft. lbs.	2,000 / 600 Nm	
<b>Axis</b>	Rapid Traverse Feedrate X & Z	394 IPM	10 m/min
	X-Axis Cross slide travel	19-5/8"	500 mm
	Z-Axis Travel (listed with each bed length)	See each machine on next page	
	X-Axis Ballscrew Diameter / Servo Motor Power	1.25" / 2.0-HP	32 mm / 1.6 kW
	Z-Axis Ballscrew Diameter / Servo Motor Power	2" / 4.0-HP	50 mm / 2.9 kW
	X-Axis Thrust	2020 lbs.	920 Kgf
	Z-Axis Thrust	3020 lbs.	1370 Kgf
	Cross slide dimensions WxL	39" x 10"	1,000 mm x 258 mm
Minimum input unit	0.0001"	0.001 mm = 40 millionths"	
<b>Tool Turret</b>	Hydraulic type	LS-200R	
	Tool stations – any combination of ID/OD tooling /Index time	8-stations	
	O.D. Tooling (additional I.D. & O.D. toolholders in stock)	1" tools w/8-tool clamps provided	
	I.D. Tooling (40mm when specified for metric users)	4-ID (1.5" bore) holders provided	
<b>Tailstock</b>	Air-Assist Manual Positioning - Quill engraved with inch/metric quill graduations		
	Quill diameter	4.92"	125 mm
	Quill stroke (manual quill advance, hydraulic optional)	7.87"	200 mm
	Quill taper	MT-6	Morse Taper # 6
<b>Electrical / Hydraulic / Coolant Systems</b>	Power Requirements – FANUC 0i-TF control, motors & drives	30 kVA, 220 vac ±5%	
	Hydraulic Motor Power	2-H.P.	
	Hydraulic Pressure	435 PSI / Mobil #32 oil	
	Coolant Pump	3/4-HP	
	Machines need stable 220 Volts, 3 Phase – Please use appropriate transformers or voltage stabilizers.		