



GTW-34/38/42 CNC

34-42" Swing Heavy Duty CNC Big Bore Lathes

- + A2-11 Spindle with a 6-5/8" Bore (10" & 14" Spindle Bores Optional)
- + 5 - 550 RPM Spindle Speeds (4 - 440 RPM with 14" bore)
- + A2-15 Spindle w/ 10" Bore, 18 - 600 RPM Optional
- + 3 - Automatically Selected Gear Ranges for High Torque
- + 8-Station Vertical Tool Turret
- + Rear Spindle Chuck Mount provided for long workpieces
- + Large Boring Bar Holder Available for back of Cross Slide
- + FANUC Oi-TF Control & FANUC Alpha Axis & Spindle Drive

Capacity & Dimensions

Swing over Bed	34 1/4"	(870mm) 42" available
Swing over Cross Slide	20"	(510mm) 27.94" available
Center Height	17 5/8"	(450mm) 21.6" available
Distance between centers	78" - 236"	(2000 - 6000mm)
Bed Width	22"	(560mm)

Spindle

Spindle Motor Horsepower (Fanuc 22Kw - 26Kw)	40 HP Peak	(35 HP 30min. duty rating)
Spindle Speeds (Low = 5-50 / High = 50-550)	5-5550rpm	(4-400 with 13.98" spindle bore)
Spindle Speed Gear Ranges automatically selected	3 gear ranges	(infinitely variable speeds in each range)
Spindle Bore	6 5/8"	(170mm) (Optional 10" and 14" available)
Spindle Nose	A2-11	(Optional A2-15, 255mm bore / A2-20, 355mm bore)

Axis

Cross Slide Travel	21.65"	(550mm)
Cross Slide Surface Dimensions W x L	13" x 39 3/8"	(330mm x 1000mm)
X-Axis Ballscrew / Servo Motor	40mm	Pitch 5mm / 4 HP (3kw) Servo motor
Z-Axis Ballscrew / Servo Motor	63mm	Pitch 10mm / 5.5 HP (4kw) Servo motor
X and Z Axis rapid feed rate	240"/min	(6000mm/min)
X and Z Axis cutting feed rate	120"/min	(3000mm/min)
Minimum input unit	0.0001" (0.001mm = 40 millionth of an inch)	
Cross Slide Thrust	2500 lbs	1140 kg Force
Carriage Slide Thrust	5500 lbs	2500 kg Force

Tool Turret

<i>8 Station tool turret with any mix of ID and OD tools</i>		
Turret Index Time	0.55 seconds station-to-Station (adjacent)	
OD Tool Size (8 O.D. Tool Wedges included)	1.25" x 1.25"	(32mm x 32mm)
ID Tool Holder Bore (4 ID Toolholders included)	2" standard (50mm optional)	

Tailstock

<i>Engraved with inch/metric quill graduations</i>		
Quill Diameter	6.5"	(165mm)
Quill Stroke	9.8"	(250mm)
Quill Taper	MT-6	Morse Taper #6
Body Movement	Hydraulic Motor Driven w/ Hydraulic Clamping	

Specifications

Hydraulic Systems	5 HP (3.7kw) pump
Coolant Pump	3/4 HP
Electrical - FANUC 0i - TF Control, motors & drives	220 vac ±5%
<i>Machines need stable 220 Volts, 3 Phase - Please use appropriate transformers or voltage stabilizers</i>	