



GTW-1840 CNC

18" x 40" CNC Lathe

- + 18" x 40" CNC Lathe
- + 18" Swing Diameter over Bedways
- + 40" Between Center
- + Compact Footprints make it ideal for R&D and Toolroom shops
- + Easy to use Fanuc or Fagor CNC Control
- + Safety chuck guard
- + Coolant pump standard
- + Meehanite casting help minimize vibration for superior finish and tool life
- + Hardened & Precision ground double-Vee / Double-Flat bedways for high rigidity
- + Automatic Metered lubrication system for ball screws and ways
- + Built in high capacity coolant system

Capacity & Dimensions

Swing over Bed	18"	(460 mm)
Swing over Cross Slide	9"	(230 mm)
Center Height	9"	(230 mm)
Center Distance	39.37"	(1,000 mm)
Bed Length	82.5"	(2,095 mm)
Bed Way Width	14-1/2"	(370 mm)
Bed Casting Height	13-3/8"	(340 mm)

Spindle

Spindle Motor Horsepower (7.5 kw - 11 kw Inverter Type)	15 HP Peak	(10 HP 30 min duty rating)
Spindle Speeds - 2 gear ranges L, H	43 - 2,500 RPM	infinitely variable, in 2 gear ranges
Spindle Speed per gear range	L = 43 - 850	H = 125 - 2,500 RPM
Constant Torque Ranges	L = 43 - 270	H = 125 - 800 RPM
Constant Power Ranges	L = 270 - 850	H = 800 - 2,500 RPM
Spindle Bore	2-3/8" (2.385")	(60 mm)
Spindle Nose - Camlock	D1 - 6 Camlock	(A2 - 6, 4,000 RPM optional)
Spindle ID Taper in Spindle Nose	MT - 6	MT#6

Cross Slide X Axis

Rapid Traverse Feedrate	393 IPM	(10 m / min)
X-Axis motor	FANUC	Beta IS4 0.75 kw (4,000 RPM)
Cross Slide Travel	10.63"	(270 mm)
Cross Slide Dimensions - width x length	8.26" x 27.5"	(210 x 700 m)
Cross Slide Ballscrew diameter / pitch	1" / 5 mm	(25 mm) Accuracy Grade C3
4-Way Programmable Toolpost - height / index speed	20 mm tool height / 4	second tool change time
Cross Slide Thrust	1,190 lbs	(540 kg Force)

Carriage Z Axis

Rapid Traverse Feedrate	472 IPM	(12 m / min)
Z-Axis Motor	Fanuc	Beta IS4 0.75 kw (4,000 RPM)
Z-Axis Travel	38.58"	(980 mm)
Cutting Tool Height Maximum	0.79"	(20 mm)
Carriage ballscrew diameter	1-1/4"	(32 mm)
Carriage ballscrew pitch	5 mm	Accuracy Grade C3 (H-P Laser Tested)
Carriage Slide Thrust	1,190 lbs	(540 kg Force)

Tailstock

Quill Diameter	2-15/16"	(75 mm)
Quill Stroke	6-5/16"	(160 mm)
Quill Taper	MT - 5	Morse Taper #5
Quill Tang Drive and drift-slot for tailstock	included	
Tailstock body set-over adjustment	±0.4"	(±1 mm)

Specifications

Coolant Pump Motor / Coolant Capacity	1/8 HP / 13.2-gal	(50 liters)
Electrical Requirements	220 vac ±5%	60 Hz / 60 amp service
Machine Weight	5,072 lbs	(2,300 kg)
Shipping Weight	5,734 lbs	(2,600 kg)
Machine Dimensions (L x W x H)	100" x 55" x 73"	(2,525 x 1,400 x 1,840 mm)
Shipping Dimensions (L x W x H)	108" x 73" x 83"	(2,743 x 1,854 x 2,108 mm)