



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"	(460mm)
Swing over Cross Slide	9"	(230mm)
Center Height	9"	(230mm)
Center Distance	39.37"	(1000mm)
Bed Length	82.5"	(2095mm)
Bed Way Width	14 1/2"	(370mm)
Bed Casting Height	13 3/8"	(340mm)

Spindle

Spindle Motor Horsepower (7.5kw - 11kw Inverter Type)	15 HP Peak	(10 HP 30min duty rating)
Spindle Speeds - 2 gear ranges L, H	43 - 2500 RPM	infinitely variable, in 2 gear ranges
Spindle Speed per gear range	L= 43 - 850	H= 125 - 2500 RPM
Constant Torque Ranges	L= 43 - 270	H= 125 - 800 RPM
Constant Power Ranges	L= 270-850	H=800 - 2500 RPM
Spindle Bore	2 3/8" (2.385")	(60mm)
Spindle Nose - Camlock	D1-6 Camlock	(A2-6, 4000 RPM optional)
Spindle ID Taper in Spindle Nose	MT-6	MT#6

Cross Slide X Axis

Rapid Traverse Feedrate	393 IPM	(10m/min)
X-Axis motor	FANUC	Beta IS4 0.75 kw (4,000 rpm)
Cross Slide Travel	10.63"	(270mm)
Cross Slide Dimensions - width x length	8.26" x 27.5"	(210 x 700m)
Cross Slide Ballscrew diameter / pitch	1" / 5mm	(25mm) Accuracy Grade C3
4-Way Programmable Toolpost - height / index speed	20mm tool height / 4	second tool change time
Cross Slide Thrust	1190 lbs.	(540 Kg Force)

Carriage Z Axis

Rapid Traverse Feedrate	472 IPM	(12m/min)
Z-Axis Motor	Fanuc	Beta IS4 0.75kw (4000rpm)
Z-Axis Travel	38.58"	(980mm)
Cutting Tool Height Maximum	0.79"	(20mm)
Carriage ballscrew diameter	1 1/4"	(32mm)
Carriage ballscrew pitch	5mm	Accuracy Grade C3 (H-P Laser Tested)
Carriage Slide Thrust	1190 lbs.	(540 Kg Force)

Tailstock

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

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	5072 lbs	(2300 kgs)
Shipping Weight	5734 lbs.	(2600 kgs)
Machine Dimensions (L x W x H)	100" x 55" x 73"	(2525 x 1400 x 1840mm)
Shipping Dimensions (L x W x H)	108" x 73" x 83"	(2743 x 1854 x 2108mm)