



**GANESH
MACHINERY**
The Edge in Cutting.

20869 Plummer St. Chatsworth, CA 91311
Toll Free: 888-542-6374 (US only)
Phone: 818-349-9166 | Fax: 818-349-7286
www.ganeshmachinery.com

GANESH GTW-1840 CNC

Precision Universal CNC Toolroom Lathe



- **2-3/8" Bar Capacity and 10" 3-jaw chuck**
- **18" Swing Diameter over bedways**
- **40" Between Centers**
- **D1-6 Spindle Nose**
- **40 - 2,500 RPM Spindle Speeds**
- **2-Gear Ranges for High-Torque**
- **10-HP Inverter Spindle Motor**
- **FANUC Oi-Mate TD or Fagor CNC Control**

Ideal for R&D, Toolroom, Training Centers and Repair Shops!

STANDARD GTW - 1840 CNC MACHINE FEATURES:

MACHINE CONSTRUCTION

- Meehanite Castings, Fine grain and high-density one-piece machine casting using the superior Meehanite process yields superior vibration dampening and improved surface finish and tool life.
- Hardened & Precision Ground Double-Vee / Double-Flat bedways for high rigidity
- Turcite-B anti-friction coating on saddle and cross slide for improved accuracy & wear
- Force lubricated ways surfaces and ballscrew nuts by programmable precision lubricator
- Built-in leveling ledge to level machine low to the ground for high stability

SPINDLE

- 10-HP (15 HP Peak) heavy-duty spindle motor for added metal removal capability
- Infinitely variable spindle speeds from 43 - 2500 rpm in 2-gear ranges for high torque
- Alloy Steel Hardened & Precision Ground Gears provide for smooth power transmission
- Spindle with a 2-3/8" bore is supported by three over-sized precision spindle bearings
- Hardened and ground D1-6 Camlock spindle nose for quick workholding changeover

FEATURES



- Built in coolant system
- Fluorescent work light included
- Automatic Metered Lubrication System for ballscrews and ways
- Inch/Metric threading
- Left or right hand threading, single or multiple-start threading
- Inspection accuracy report to CNS 94 & B7001 standards included
- Instruction Manual, Tools and Tool Box with hand tools
- One-Year Limited Parts and Labor Warranty Included

OPERATOR CONVIENENCE

- Operator panel travels with the sliding door for operator convenience
- X & Z MPG handwheel and control pushbuttons are located on the traveling operator panel
- Machine Condition Display & Alarm lamp signals staff of machine operating condition
- Fluorescent work light provided to illuminate work area enclosure
- Machine guarding provided for enhanced operator safety
- Convenient chip clean-out drawer located in front of machine
- Coolant system (30-gallons) with flex-steel hose and flow control valve
- The tailstock quill is oversized and equipped with a tang-drive and a drift-slot to make removing the centers and taper shank drills very easy.
- The electrical control box and coolant system are equipped with electro-magnetic contactors and overload relay protection devices to prevent motors from burn-out and to ensure safe operation.

**The Ganesh GTW – 1840 CNC series is manufactured in our
Certified ISO 9001 Production Facility in TAIWAN.**

STANDARD GTW - 1840 CNC MACHINE SPECIFICAITONS:

Capacities-

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 depth	13-3/8"	(340mm)

Spindle-

Spindle Motor Horsepower – Inverter Type	10-HP	(15 HP Peak) (7.5Kw)
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= 125-2500 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	(A1-6, 4,000 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 2-HP	(1.5kW) Absolute type
Cross slide travel	10.63"	(270mm)
Cross slide dimensions - width x length	8.26" x 27.5"	(210 x 700mm)
Cross slide ballscrew diameter	1"	(25mm)
Cross slide ballscrew pitch	5mm	Accuracy Grade C3 (H-P Laser Tested)
Cross slide thrust	2860 ft. lbs.	(1300Kg Force)

Carriage - Z-AXIS

Rapid Traverse Feedrate	472 IPM	(12m/min)
Z-Axis motor	FANUC 2-HP	(1.5kW) Absolute type
Z-axis travel	38.58"	(980mm)
Cutting tool height maximum	1.5"	(38mm)
Carriage ballscrew diameter	1-5/16"	(36mm)
Carriage ball screw pitch	10mm	Accuracy Grade C3 (H-P Laser Tested)
Carriage slide thrust	6,200 ft. lbs.	(2850Kg 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	± 3/8"	(± 10mm)

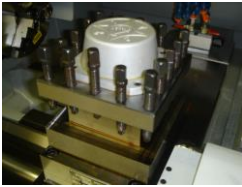
Specifications-

Coolant Pump Motor	¼ HP	
Coolant tank capacity	30-gallons	(115 liters)
Electrical Requirements	220vac ±5%	60-Hz, 50-amp service
Machine Weight	5072 lbs.	(2300 kgs)
Shipping Weight	5734 lbs.	(2600 kgs)
Machine Dimensions (L x W x H)	100"x55"x73"	(2525x1400x1840mm)
Shipping Dimensions (L x W x H)	103"x58"x76"	(2612x1472x1918mm)

The below listed factory ordered options cannot be field retrofitted:



8" Strong™ Hydraulic actuated power 3-jaw lathe chuck.
Includes a set of soft jaws and 500-psi hydraulic system.
Features Ø52mm draw tube and Ø52mm chuck bore.



Automatic electric driven 4-way programmable Toolpost
1.5-second tool change time, 1" tool height



8-station automatic hydraulic actuated tool turret
0.4 second tool-to-tool, with hydraulic Curvic coupling clamping
• O.D. holders = $\frac{3}{4}$ " (20mm) shanks, 4 x I.D. holders = 25mm bores

Prices & specifications subject to change without prior notice.