



**GANESH  
MACHINERY**  
*The Edge in Cutting.*

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## **GANESH GTW-2460/80 CNC Precision CNC Toolroom Lathe**



- **4.09" Bar Capacity and 12" 3-jaw chuck**
- **24" Swing Diameter over bedways**
- **60" Between Centers**
- **D1-8 Spindle Nose**
- **20 - 1,600 RPM Spindle in 2-Gear Ranges for High-Torque**
- **15-HP Inverter Spindle Motor**
- **4-Way Programmable Indexing Toolpost**
- **FANUC Oi-Mate TD CNC Control**

**Ideal for R&D Departments, Toolrooms, Training Centers and Repair Shops!**

**STANDARD GTW - 2460 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**

- 15-HP (20 HP Peak) heavy-duty spindle motor for added metal removal capability
- Infinitely variable spindle speeds from 20 - 1600 rpm in 2-gear ranges for high torque
- Alloy Steel Hardened & Precision Ground Gears provide for smooth power transmission
- Spindle with a 4.09" bore is supported by three over-sized precision spindle bearings
- Hardened and ground D1-8 Camlock spindle nose for quick workholding changeover

## **FEATURES**



- Built in coolant system
- Fluorescent worklight 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 worklight 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
- Tailstock features a 2-speed advance selector with 1:1 and 5:1 ratios to select for speedy advance or high holding pressure
- 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 – 2460 CNC series is manufactured in our  
Certified ISO 9001 Production Facility in TAIWAN.**

## **STANDARD GTW - 2460 CNC MACHINE SPECIFICATIONS:**

## Capacities-

Swing over Bed	24"	(610mm)
Swing over Cross Slide	14.5"	(370mm)
Center Height	12"	(305mm)
Center Distance	59.05"	(1500mm)
Bed Length	102.2"	(2595mm)
Bed way width	14-1/2"	(400mm)
Bed casting depth	13-3/8"	(340mm)

## Spindle-

Spindle Motor Horsepower – Inverter Type	15-HP	(20 HP Peak) (11.4Kw)
Spindle speeds	20-1,600 RPM infinitely variable, in 2-gear ranges	
Spindle speed gear ranges	1= (20 – 600), 2= (80 – 1600) RPM	
Constant Power Ranges	200-640 & 500-2000 RPM	
Constant Torque Ranges	40-200 & 80-500 RPM	
Spindle Bore	4.09"	(104mm)
Spindle Nose - Camlock	D1-8 Camlock	
Spindle Bearings – 3-bearing spindle	Tapered Roller Bearings front, roller bearing rear	
Spindle ID taper in spindle nose	MT-8	MT#8 Taper

## Cross Slide - X-AXIS

Rapid Traverse Feedrate	197 IPM	(5m/min)
X-Axis motor power	FANUC 2-HP	
Cross slide travel	12.63"	(320mm)
Cross slide dimensions - width x length	9.05" x 29.9"	(230 x 760mm)
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	197 IPM	(5m/min)
Z-Axis motor power	FANUC 2-HP	
Z-axis travel	59.05"	(1500mm)
Cutting tool height maximum	1W"	(25mm)
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	Engraved with inch / metric quill graduations	
Quill stroke – with 2-Speed Quill Advance	2-15/16"	(75mm)
Quill taper	6-5/16"	(160mm)
Quill tang drive and drift-slot for tailstock	MT-5	Morse Taper # 5
Tailstock body set-over adjustment	included	
	± 3/8"	(± 10mm)

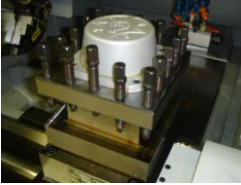
## Specifications-

Coolant Pump Motor	¼ HP	
Coolant tank capacity	30-gallons	(115 liters)
Electrical Requirements	220vac ±5%	60-Hz, 50-amp service
Machine Weight	8820 lbs.	(4000 kgs)
Shipping Weight	9262 lbs.	(4200 kgs)
Machine Dimensions (L x W x H)	129"x75"x73"	(3260x1900x1540mm)
Shipping Dimensions (L x W x H)	133"x79"x86"	

**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 separate 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 = 3/4" (20mm) shanks, 4 x I.D. holders = 25mm bores

**Prices & specifications subject to change without prior notice.**