



**GANESH
MACHINERY**
The Edge in Cutting.

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GANESH GTW-20 CNC Precision CNC Toolroom Lathe



- **3.38" Bar Capacity and 12" 3-jaw chuck**
- **20" Swing Diameter over bedways**
- **40" and 60" Between Centers**
- **D1-8 Spindle Nose**
- **40 - 2,000 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 Departments, Toolrooms, Training Centers and Repair Shops!

STANDARD GTW - 2060 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 40 - 2000 rpm in 2-gear ranges for high torque
- Alloy Steel Hardened & Precision Ground Gears provide for smooth power transmission
- Spindle with a 3-3/8" 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.

SPECIFICATIONS:

GTW-2040 CNC

GTW-2060 CNC

Capacities-

| | | | |
|------------------------|---------|----------|-----------------|
| Swing over Bed | 20.78" | (510mm) | |
| Swing over Cross Slide | 11.02" | (280mm) | |
| Center Height | 10.04" | (255mm) | |
| Center Distance | 39.37" | (1000mm) | 59.05" (1500mm) |
| Bed Length | 82.5" | (2095mm) | 102.2" (2595mm) |
| 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 | 40 – 2,0 00 RPM infinitely variable, in 2-gear ranges | |
| Spindle speed gear ranges | 1= (40 – 800), 2= (100 – 2000) RPM | |
| Constant Power Ranges | 200-640 & 500-2000 RPM | |
| Constant Torque Ranges | 40-200 & 80-500 RPM | |
| Spindle Bore | 3-3/8" | (3.385") (86mm) |
| Spindle Nose - Camlock | D1-8 Camlock | |
| Spindle ID taper in spindle nose | Ø92mm x 1/20 Taper | |

Cross Slide - X-AXIS

| | | |
|---|---------------|--------------------------------------|
| Rapid Traverse Feedrate | 393 IPM | (10m/min) |
| X-Axis motor power | FANUC 2-HP | |
| 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 power | FANUC 2-HP | |
| Z-axis travel | 38.58" | (980mm) 59.05" (1500mm) |
| 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 | 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) |

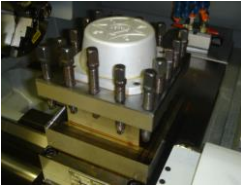
Specifications-

| | | |
|---------------------------------|----------------------|-----------------------|
| Coolant Pump Motor | ¼ HP | |
| Coolant tank capacity | 30-gallons | (115 liters) |
| Electrical Requirements | 220vac ±5% | 60-Hz, 50-amp service |
| Machine Weight | 6172 lbs. (2800 kgs) | 7452 lbs. (3380 kgs) |
| Shipping Weight | 7054 lbs. (3200 kgs) | 8534 lbs. (3870 kgs) |
| Machine Dimensions (L x W x H) | 120"x55"x73" | 140"x55"x73" |
| Shipping Dimensions (L x W x H) | 123"x58"x76" | 143"x58"x76" |

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.