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GANESH GTW-1840 CNC

Precision Universal CNC Toolroom Lathe



Pictured with standard 4-way programmable tool turret and optional hydraulic power pack.

- 2-3/8" Bar Capacity and 10" 3-jaw chuck
- Ø18" Swing over Bedways - 40" Between Centers
- 4-Way Programmable Toolpost
- D1-6 Spindle Nose, 40 - 2,500 RPM Spindle Speeds
- 2-Automatic Gear Ranges for High-Torque
- 10-HP Inverter Spindle Motor
- FAGOR 8055i TC CNC Control

**Ideal for R&D, Toolroom, Short-Run Production
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

Note: Floating tapping holders required for tapping

FEATURES

- 4-Way Programmable Toolpost
- 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
- Instruction Manual, Tools and Tool Box with hand tools
- One-Year Limited Parts and Labor Warranty Included

OPERATOR CONVENIENCE

- 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 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.



Standard 4-Way Programmable Toolpost

STANDARD GTW - 1840 CNC MACHINE SPECIFICATIONS:

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 – (7.5Kw Inverter Type)	15-HP Peak	(10 HP 30-minute duty-rated)
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 / pitch	1" / 5mm	(25mm) Accuracy Grade C3
4-Way Programmable Toolpost - height / index speed	1" tool height / 1.5-second tool change time	

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 / Coolant Capacity	¼ HP / 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 Ganesh GTW - 1840 CNC series is manufactured in our
Certified ISO 9001 Production Facility in TAIWAN.**

FAGOR 8055i TC CNC CONTROLLER

The Fagor 8055i TC is the most versatile CNC control available due to its Dual Operating System. In one mode, it is a very powerful ISO G-code control system, in the other mode, it features **Icon conversational programming with 25 High-Performance canned cycles with interactive graphics**, making even complex tasks easy to program - **regardless of the operator's experience**.



No prior CNC programming knowledge is required to operate this control.

The Fagor 8055 TC Icon based CNC conversational control features an interactive 10.4" color TFT LCD graphics display with unique features: Intuitive operation which requires no prior programming knowledge; Manual & automatic operations based on typical turning operations requiring minimum set-up time, Teach-In operation provides unique concept of **one operation / one screen** where you just fill in the blanks using separate Icon keys so any turning operation can be defined on a single interactive screen including tool geometry, roughing cycle and finishing cycle. Making it **ideal for small and medium lot size production runs**.

Each turning cycle can be defined using a separate key providing many levels depending on the complexity of the part geometry e.g. Turning, Facing, Taper Turning (2 levels), Rounding (2 Levels), Threading cycles, including multi-start & taper threading, Grooving (5 levels), Positioning (2 levels), Drilling, Tapping, Multiple Drilling, and part Profile Cycles. Intuitive operation means that there is **no need for programming knowledge**. The CNC can also be programmed **on-line using ISO G codes**, ideal for **larger production runs**.

Tool offsets including Tool radius, length and wear (255 sets) are standard. A built-in Mini CAD/CAM system provided to assist program development. The control is always working in the **Interactive Teach – mode** so that in any mode the actual machine position, Tool number, Tool profile, Spindle parameters etc. are displayed on the screen. You can even change from internal threading to external threading with one keystroke, which highlights the highly interactive operator interface. 512 MB CF flash memory is standard and a USB program memory port is mounted on the front panel for easy program transfer. Ethernet and serial buses are also provided for additional control connectivity. The machine is equipped with Fagor motors and servo drives.

A supplemental Fagor brochure and document showing the Fagor control features in detail are available.

GTW-1840 CNC Lathe Pricing

GTW-1840 CNC Heavy-Duty 18" X 40" CNC Lathe

\$45,990.00

THESE BASIC ACCESSORIES COMES STANDARD WITH EACH MACHINE

4-Way Programmable Toolpost	\$2,995 Value - Included
MT#5 Tail Stock	\$1,495 Value - Included
Coolant System	\$995 Value - Included
Fluorescent Work Light	\$295 Value - Included
Machine Condition Display Lamp	\$295 Value - Included
2-Range Geared Headstock	\$1,995 Value - Included
One-Year Full Warranty	\$995 Value - Included

MACHINE OPTIONS

PRICE

Steadyrest (Ø3/4" - Ø5" capacity)	\$495.00
Live Center MT#5	\$245.00
10" 3-jaw self-centering lathe chuck, reversible top jaws,	\$750.00
12" 4-jaw independent lathe chuck, reversible top jaws,	\$1,375.00
Factory machine installation:	
<i>"Peace-of-Mind Factory Installation" – includes expenses</i>	<i>\$1,995.00</i>
<i>Factory on-site 2-day machine Operation and Program Training – includes expenses</i>	<i>\$2,995.00</i>

Training & Terms of Sale

Lifetime FREE Training – Ganesh Machinery offers a 3-day training program for all production CNC machines at our training center. The intense training program includes basic manual programming, machine setup, operation, and operator level maintenance for those with a working knowledge in the programming & setup of CNC machines. Training does not cover CAD/CAM systems or Manual Guide-i type of programming. There is no charge for the training program at Ganesh for our customers. Turn-key projects and on-site training are an available option, charged at the prevailing hourly rate.

Warranty – 1-year Fagor control & drive warranty. 1 full year Ganesh parts and labor warranty on the machine.

Service – Ganesh or your authorized Ganesh trained servicing dealer provides installation, service, and training included in the price of the machine. Spare parts are stocked at Ganesh in Chatsworth to support your continued machine operation.

F.O.B. Point – Machines ship F.O.B. Ganesh Machinery from Chatsworth, CA 91311.

Payment Terms – 20% down payment with your Purchase Order secures the machine. 70% is due prior to machine shipment, and the 10% balance is due net-30 days after installation. **Or the machine can be financed with a Ganesh approved lender.** Leases with \$1.00 buyout are available upon approved credit.

Delivery Schedule – Delivery is stock to 16-weeks, subject to prior sales.

Purchase is governed by the Ganesh Machinery terms and conditions of sale.

UL & TÜV ELECTRICAL APPROVAL IS AN AVAILABLE OPTION

Prices and specifications subject to change without prior notice.

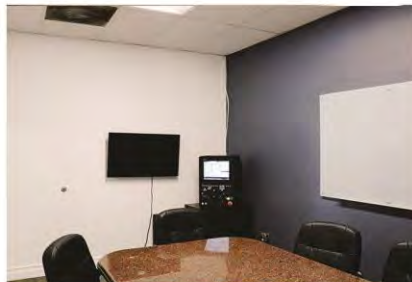
SERVING INDUSTRY SINCE 1985



**Ganesh Headquarters
Chatsworth, CA**



4,000 Square Feet Showroom



In-House Training Center



Fully Stocked Parts Room

TERMS & CONDITIONS OF SALE

General Offer & Applicable Law

Products and services furnished by Ganesh Machinery (referred to herein as “we”, “us” and “our”) are sold to you (“Customer”) only on the terms and conditions stated herein. Notwithstanding any terms or conditions on Customer's orders, our performance of any contract is expressly made conditional on Customer's agreement to these terms and conditions of sale. All contracts for the sale of products shall be construed under and governed by the laws of the State of California. All orders shall be subject to our acceptance.

Prices & Specifications

All published prices and specifications are subject to change without notice. Unless otherwise specified in writing, all quotations are firm and expire thirty days after the date thereof. Unless otherwise stated, all prices, published or quoted, shall be exclusive of insurance and any and all taxes and transportation costs.

Transportation & Acceptance

We reserve the right to select the means of transportation and routing if we determine that Customer's instructions are unsuitable. Customer shall be responsible for all risk of loss and/or damage commencing upon delivery of the products to the transportation company at the F.O.B. point. Title to any products shall pass to Customer when products are delivered to the transportation company at the F.O.B. point. All products must be inspected by Customer immediately upon receipt and any claims should be filed with the transportation company when there is evidence of shipping damage, even if the damage is concealed. The furnishing of a product to Customer shall constitute acceptance of that product by Customer unless notice of defect or nonconformity is received by us within ten-days of receipt of the product at Customer's designated receiving address. We may repair or, at our option, replace defective or nonconforming parts after receipt of notice of defect or nonconformity.

Performance

We shall be excused for delay in delivery and/or may suspend performance of any contract for the sale of products and services without liability to Customer in the event and to the extent of a “force majeure” which shall include strike, lockout, riot, war, fire, flood, explosion, act of God, accident, or subcontractor or supplier delays or other events beyond our control. We reserve the right to substitute suitable products, when we determine in our sole discretion that such substitution is necessary due to a force majeure. No order may be terminated by Customer without our written consent. Machines are not designed to conform to UL or OSHA Standards. It is Customer's sole responsibility to verify the electrical standards applicable to any machines purchased subject to these terms and conditions in their locality.

Warranty & Liability for Machine Sales

Our machines, including accessories and spare parts purchased and/or included with the machine sale, are guaranteed to be free from defects in workmanship for twelve months after the date of purchase, unless specified otherwise in writing. This warranty is effective only if the necessary information is provided: serial number of machine and nature of defect, and any part claimed defective is returned prepaid to us. No such return will be accepted unless we issue a returned material authorization (RMA) number. Upon its proper return to us, we shall repair or replace, at our option, the defective part. This warranty applies only if (a) our instructions as to installation, operation and maintenance have been completely followed; (b) the products have been used solely under normal operating conditions or procedures; (c) the products have been properly installed, operated and maintained and have not been affected by misuse, neglect or accident; (d) Customer has not attempted or performed (or caused to be attempted or performed) any type of repair or corrective work or modification without our prior written consent and (e) we shall have received notice of any defect no later than thirty days after Customer first has knowledge of same. THIS WARRANTY IS EXPRESSLY IN LIEU OF, AND EXCLUDES ALL OTHER EXPRESS, IMPLIED OR STATUTORY WARRANTIES INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, USE OR APPLICATION AND ALL OTHER OBLIGATIONS OR LIABILITIES ON OUR PART. The remedy of repair or replacement, as provided herein, shall be the Customer's exclusive remedy and will satisfy all our liabilities whether based upon contract, negligence, or otherwise. In no event shall we be liable for incidental, consequential, punitive or special damages, or losses.

Warranty & Liability for Accessory & Spare Part Sales

Accessories and spare parts purchased after the original machine sale are guaranteed to be free from defects in workmanship for 90-days after the date of purchase, unless specified otherwise in writing. This warranty is effective only if the necessary information is provided: original date of purchase and nature of defect, and any part claimed defective is returned prepaid to us. No such return will be accepted unless we issue a returned material authorization (RMA) number. Upon its proper return to us, we shall repair or replace, at our option, the defective part. This warranty applies only if (a) our instructions as to installation, operation and maintenance have been completely followed; (b) the products have been used solely under normal operating conditions or procedures; (c) the products have been properly installed, operated and maintained and have not been affected by misuse, neglect or accident; (d) Customer has not attempted or performed (or caused to be attempted or performed) any type of repair or corrective work or modification without our prior written consent and (e) we shall have received notice of any defect no later than thirty days after Customer first has knowledge of same. THIS WARRANTY IS EXPRESSLY IN LIEU OF, AND EXCLUDES ALL OTHER EXPRESS, IMPLIED OR STATUTORY WARRANTIES INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, USE OR APPLICATION AND ALL OTHER OBLIGATIONS OR LIABILITIES ON OUR PART. The remedy of repair or replacement, as provided herein, shall be the Customer's exclusive remedy and will satisfy all our liabilities whether based upon contract, negligence, or otherwise. In no event shall we be liable for incidental, consequential, punitive or special damages, or losses.

Indemnity and Hold Harmless

Customer agrees to indemnify and hold Seller harmless for any and all claims, liability, costs, expenses, or losses arising out of or relating to the sale or use of the products which are the subject of this sale, including, but not limited to, unattended use of the equipment, bodily injury or death or any fire or other calamities resulting from Customer's use of any machine sold hereunder whether any such claims, liability, costs expenses or losses are suffered by customer or any third party.

Compliance with Manuals, Instructions and Good Safety Practices; Compliance with Laws

Customer shall be responsible for ensuring compliance by its personnel and others given access to any products in Customer's possession or control with all operating and maintenance manuals and instructions provided by us or any of our distributors and with other normal safety, operation and maintenance practices commonly observed in the industry. Compliance with local, state or federal laws, codes, directives or regulations relating to the products and their use is the sole responsibility of Customer, and we make no warranty or representation with respect thereto.

Terms of Payment

All payments for products released and shipped on approved credit accounts shall be due in full thirty days from the date of invoice. Past due balances shall be subject to a service charge of 1.5% per month. Partial shipments will be billed as made and payments therefore are subject to the above terms. We may cancel or delay delivery of products or services in the event Customer fails to make prompt payment therefore or in the event of arrearage in Customer's account. We maintain all rights of a secured party by reference to applicable Uniform Commercial Code provisions in effect in each state in which the products are located.

Arbitration

All disputes under any contract concerning products sold to Customer pursuant to these terms and conditions that are not otherwise resolved between Customer and us shall be resolved through mandatory and binding arbitration to be conducted in Los Angeles, California and in accordance with the Commercial Arbitration Rules and Mediation Procedures of the American Arbitration Association (“AAA”) strictly in accordance with the terms of the contract, these terms and conditions and the substantive laws of the State of California, before a single arbitrator knowledgeable in the subject matter of the dispute selected in accordance with the procedures of the AAA. The parties hereby consent to the service of process by registered mail, return receipt requested or by any other manner provided by the laws of the State of California and hereby waive any claims or defenses based on venue or forum non conveniens. Any related arbitration award will be final, conclusive and binding upon the parties and any judgment thereon may be entered and enforced in any court of competent jurisdiction. To the extent reasonably practicable, all disputes of a similar subject matter relating to more than one contract between any one Customer and us concerning products sold pursuant to these terms and conditions shall be consolidated into a single arbitration proceeding.

Attorneys' Fees

Should any legal action or arbitration be brought for the enforcement of these terms and conditions, or due to any alleged dispute, breach, default or misrepresentation in connection with any provisions herein, the non-prevailing party shall pay all reasonable attorneys' fees, expert witness fees and other costs and expenses, as well as arbitration costs and recoverable court costs, incurred by the prevailing party in any such action or proceeding and any action to enforce a judgment (including bankruptcy representation) and any appeal, in addition to such other relief, as may be granted to the prevailing party by the arbitrator or, if applicable, a court.

Fire Waiver

Customer shall be solely responsible for the appropriate use of the products, including, without limitation, the machining of certain metals that use oil as the cutting and cooling medium which can provoke the ignition of oil mists, fillings, chips or parts of a machine which could cause considerable damage to a machine and its surroundings. By accepting the products sold hereunder, Customer assumes this risk and is hereby required to use best efforts to avoid such incidents and to limit any potential risk or exposure to life and property arising therefrom.