

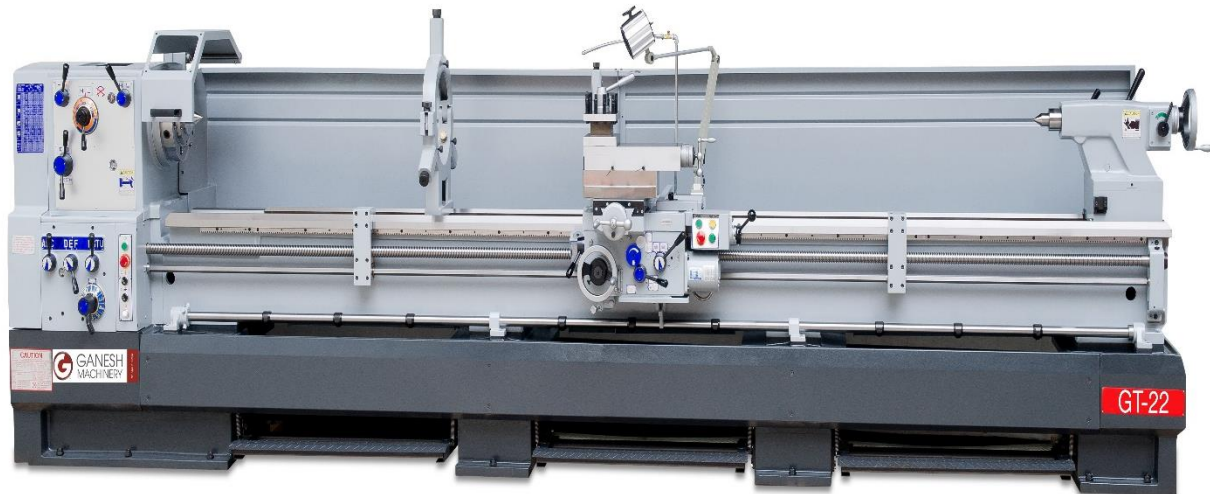
520
MACHINERY SALES



GTW-22
MACHINE QUOTATION

GTW-22 Precision Lathe Series

22" Swing & 80" – 120" between centers



Electric Motor Driven

- **15-HP Spindle Motor**
- **Spindle Speeds from 15 – 1200 RPM**
- **12-Spindle Speed Gear-Ranges for High-Torque**
- **D1-11 Camlock Spindle**
- **4-1/8" Spindle Bore**
- **Longitudinal Rapid Traverse Positioning**
- **Efficient 2-Speed Quill Advance**
- **29-3/8" Swing in 6.5" Wide Gap**
- **One Piece Casting Base**

STANDARD GTW-22 SERIES LATHE FEATURES:

CONSTRUCTION:

- Castings made of fine grain and high-density cast iron using the superior Meehanite process yield superior strength and vibration dampening for improved surface finish and extended tool life.
- Induction Hardened 52Rc & Precision Ground oversized Turcite - B Anti-Friction coated Bed Ways
- Gap-Bed with 29-3/8" swing clearance for added workpiece capacity in the 6.5" wide bed gap

HEADSTOCK:

- 15-HP spindle motor for efficient metal removal capability
- Hardened & ground D1-11 Camlock spindle
- 4-1/8" spindle bore.
- 3-bearing spindle – 2x NSK 32030 Tapered Roller Bearings, and 1x 6026 rear ball bearing
- 12-speed geared-headstock with 15 – 1200 rpm spindle speeds
- Alloy Steel Hardened & Ground Headstock Gears
- Safety-gated spindle control lever to protect from accidental engagement
- Chuck guard with safety interlock switch
- Footbrake provided for added safety and operational convenience

AXIS FEED DRIVE:

- Longitudinal Rapid Traverse positioning for enhanced operator efficiency
- Extended Cross-Slide travel of 14.9" (380mm)
- Inch / metric, diametral & modular threading capability without the use of change gears
- A thread dial indicator is included with the machine for inch & metric thread cutting
- Dual Inch/Metric cross-slide, compound slide, and longitudinal feed dials
- Safety overload clutch for feed shaft to protect gearing from overloads
- Leadscrew Safety Torque Limiting device as well as a shear pin for lead screw
- The automatic feed mechanism is mechanically interlocked with the thread cutting engagement lever to prevent damage though simultaneous engagement.
- The fourth rod controls a 4-position automatic feed stop which disengages the longitudinal feed motion at 4-distinct adjustable positions.

MACHINE FEATURES:

- Automatic way lubrication with filtered pressure lubrication system.
- Electrical control box and coolant system are equipped with electro-magnetic contactors and overload relay protection devices to prevent motors from burning out to ensure safe operation.
- The tailstock features 2-speed quill advance for operational ease and efficiency.
- The oversized quill is equipped with a tang-drive and a drift-slot to make removing the centers and taper shank drills very easy without damage to the quill face.
- Flood coolant system is included
- A tool box and tool kit with grease gun and touch-up paint is included with the machine
- Inspection Report on accuracy to CNS 94 and B7001 standards included
- Instruction Manual, Tools and Tool Box with hand tools and lube gun included
- One-Year Limited Parts and Labor Warranty Included
- Large compliment of parts and accessories stocked in USA to ensure continued operation

Ganesh machines are built in our ISO-9002 certified factory in Taiwan.

GTW-22 SERIES MACHINE SPECIFICATIONS

Capacity & Dimensions-

Swing over Bed	22"	(560 mm)
Center height	11"	(280 mm)
Swing over Cross Slide	14-1/8"	(360 mm)
Swing thru Gap	29-3/8"	(745 mm)
Length of Gap in front of faceplate, D1-11	6-1/2"	(165 mm)
Bed width	16-1/8"	(400 mm)

Spindle-

Spindle Motor Horsepower 15-HP 12kw

Spindle speeds – 12-speeds from 15 – 1200 rpm)
(High & Low speed range)

High	1200	120	520	50	860	85
Low	375	35	160	15	265	25

Spindle Bore	4-1/8"	(105 mm)
Spindle Nose	D1-11 Camlock	(A1-11 optional)
Spindle taper in spindle nose	MT-8	Morse Taper # 8
Spindle taper reduction sleeve provided	MT-5	MT-8 to MT-5
Spindle Max weight capacity (Chuck only)	660 lbs.	(300 kgs)
Spindle Max weight capacity (Chuck and Tailstock)	1,650 lbs.	(750 kgs)
Spindle Max weight capacity (Chuck, Steady Rest and Tailstock)	3,300 lbs.	(1,500 kgs)

Carriage -

Cross slide travel	14.96"	(380 mm)
Cross slide width	7-3/32"	(180 mm)
Cross slide lead screw pitch	.200"/rev.	
Cross slide resolution per division	0.001"	(on diameters)
Carriage lead screw diameter	1-1/2"	(38 mm)
Carriage lead screw pitch	4 TPI	(6 mm pitch)

Compound-

Compound top slide travel	10"	(255 mm)
Compound top slide width	4-11/32"	(110 mm)
Cutting tool height maximum	1.0" x 1.0"	25 mm x 25 mm

Four T-nut lock-down bolts on compound cross-slide base

Tailstock- (2-speed quill advance)

Quill diameter	2-15/16"	(75 mm)
Quill stroke	6-5/16"	(160 mm)
Quill taper	MT-5	Morse Taper # 5
Quill advance – 2-gear selected advance speeds	1:1 2:1	
Tailstock body set-over adjustment	± 0.04"	(± 1 mm)

Engraved with inch / metric quill graduations

Thread Cutting-

Thread cutting range – 60-inch pitches	2 – 112 TPI	2 – 112 TPI
Thread cutting range – 60-metric pitches	0.2 – 14 mm	0.2 – 14 mm
Thread cutting range – 50-diametral pitches	4 – 112 D.P.	4 – 112 D.P.
Thread cutting range – 50-module pitches	0.2 – 7 M.P.	0.2 – 7 M.P.

Feeds-

Feeds – longitudinal - 50 feeds	0.0014" – 0.0387"/rev.	0.037 – 1.04 mm/rev.
Feeds – cross - 50 feeds	0.0007" – 0.01935"/rev.	0.0185" – 0.52 mm/rev.

(with clutched feed shaft for safety)

Power-

Power Requirements	220 vac, 3-Phase, 40 Amps (440 vac optional)
Coolant System	1/8-HP Pump Motor, 5-gallon (20L) tank capacity

GTW-22 SERIES MACHINE PRICING

GTW-2260 Heavy-Duty 22" X 60" Engine Lathe 60.2" between centers, LxWxH – 120" x 51" x 52", G.W. 5,850 pounds	\$33,990.00								
<div style="border: 2px solid black; background-color: yellow; padding: 5px; display: inline-block;">INCLUDED WITH MACHINE - A \$3,000 VALUE</div>									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">Steady Rest with Roller Bearings (Capacity 4" – 10")</td></tr> <tr><td style="padding: 2px;">Follow Rest</td></tr> <tr><td style="padding: 2px;">12" Back Plate</td></tr> <tr><td style="padding: 2px;">Full Length Back Splash Guard</td></tr> <tr><td style="padding: 2px;">Chuck Guard with Safety Interlock Switch</td></tr> <tr><td style="padding: 2px;">Foot brake</td></tr> <tr><td style="padding: 2px;">Machine Leveling Pads</td></tr> <tr><td style="padding: 2px;">Halogen Work Light (55 Watts)</td></tr> </table>		Steady Rest with Roller Bearings (Capacity 4" – 10")	Follow Rest	12" Back Plate	Full Length Back Splash Guard	Chuck Guard with Safety Interlock Switch	Foot brake	Machine Leveling Pads	Halogen Work Light (55 Watts)
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GTW-2280 Heavy-Duty 22" X 80" Engine Lathe 80.3" between centers, LxWxH – 140" x 51" x 52", G.W. 6,173 pounds	\$35,990.00								
GTW-22100 Heavy-Duty 22" X 100" Engine Lathe 100.4" between centers, LxWxH – 160.1" x 51" x 52", G.W. 6,768 pounds	\$38,990.00								
GTW-22120 Heavy-Duty 22" X 120" Engine Lathe 120.5" between centers, LxWxH – 180.2" x 51" x 52", G.W. 7,363 pounds	\$42,990.00								

Machine Options

Peace-of-Mind Factory Installation – includes expenses	\$2,995.00
Taper Attachment Factory Installed	\$3,995.00
Wiring for 440-volt input voltage (Net Price)	\$495.00
Micrometer Carriage Stop	\$295.00
Lead Screw Cover- Factory Installed	\$1,995.00
JFK Collet Closer	P.O.R.

Digital Readout Options

Match DRO length to the desired bed-length.

2-Axis 80" Newall Premium DRO's - installed	\$4,895.00
2-Axis 100" Newall Premium DRO's - installed	\$5,695.00
2-Axis 120" Newall Premium DRO's - installed	\$6,395.00

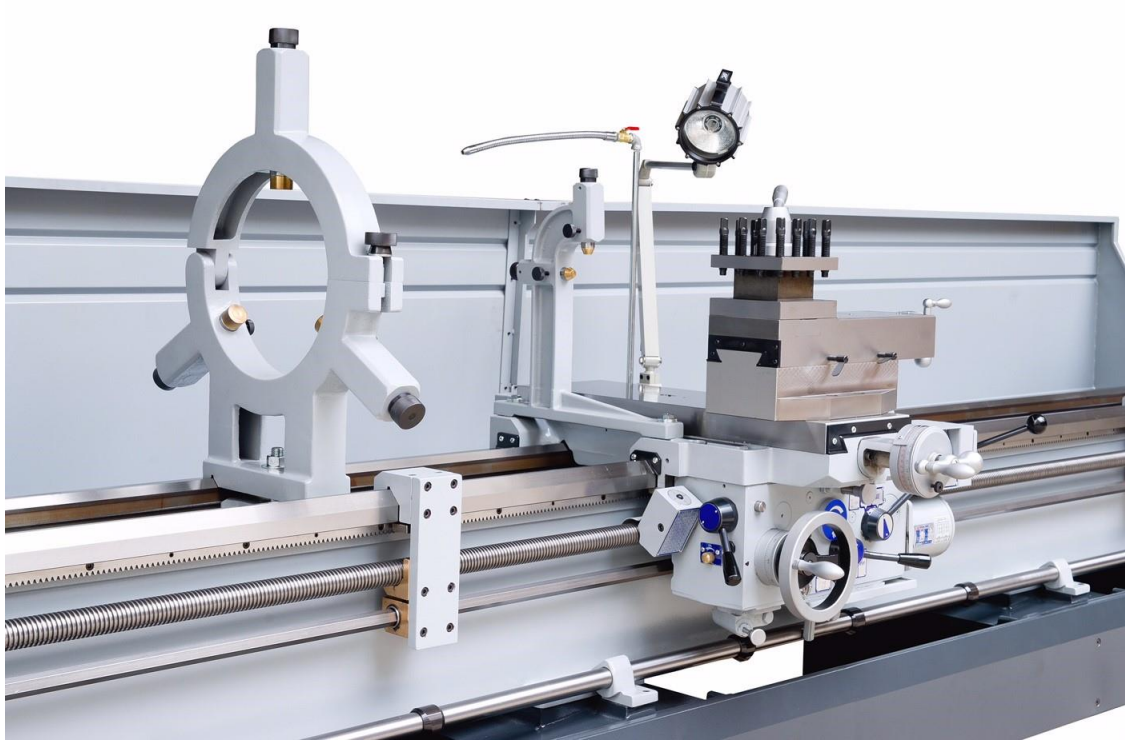
3-Axis readouts and additional FAGOR DRO models are available by request.

Chuck Options

12" 3-Jaw Chuck	\$1,695.00
16" 4-Jaw Chuck, D1-11 Direct Mount	\$1,995.00

Tooling and Workholding

Heavy Duty Steady Rest –3"-8" capacity w/ Roller Bearings	\$2,495.00
Heavy Duty Steady Rest –8"-15" capacity w/ Roller Bearings	\$3,195.00
Live Center MT-5	\$1,185.00
Dorian Quick-Change Wedge-Type DA size 4" wide toolpost & 4-toolholders: 2 ea. Turning/Facing toolholder, 2 ea. Boring/Turning/Facing toolholder	\$2,395.00



Superior Meehanite Construction *with* Optional Accessories

Terms of Sale

Warranty – 1 full year parts warranty on the machine. Labor warranty will be provided by your local servicing distributor.

Parts– Spare parts are available at our facility in Chatsworth to support your continued machine operation.

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

Payment Terms – 30% down payment with your Purchase Order secures the machine. 60% is due prior to machine shipment, and the 10% balance is due net-30 days after installation or the machine can be financed with our approved lender. Leases with \$1.00 buyout are available upon approved credit.

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

UL & TÜV ELECTRICAL APPROVAL IS AN AVAILABLE OPTION

Prices and specifications subject to change without prior notice.