



**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-22 Precision Lathe Series

22" Swing & 40" – 160" between centers



Electric Motor Driven Rapid Traverse

- **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**
- **Rapid Traverse Axis Feeds**
- **Efficient 2-Speed Quill Advance**
- **29-3/8" Swing in 6.5" Wide Gap**

STANDARD GANESH GTW-22 SERIES LATHE FEATURES:

CONSTRUCTION:

- Meehanite Castings, fine grain and high-density cast iron using the superior Meehanite process yields superior strength and vibration dampening for improved surface finish and extended tool life.
- Induction Hardened to 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 (A1-11 spindle optional)
- 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:

- Rapid feed advance for enhanced operator efficiency
- 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 feed, compound, and longitudinal dials
- Safety overload clutch for feed shaft to protect gearing from overloads
- Lead screw 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.
- The electrical control box and coolant system are equipped with electro-magnetic contactors and overload relay protection devices to prevent motors from burning out and to ensure safe operation.
- The tailstock features 2-speed quill advance and is oversized and 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

The GTW-22 machine series is built in our ISO-9002 certified factory in Taiwan.

GANESH GTW-22 SERIES MACHINE SPECIFICATIONS

Capacity & Dimensions-

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

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"	(105mm)
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	(300kgs)
Spindle Max weight capacity (Chuck and Tailstock)	1,650 lbs	(750kgs)
Spindle Max weight capacity (Chuck, Steady Rest and Tailstock)	3,300 lbs	(1,500kgs)

Carriage -

Cross slide travel	12-1/2"	(320mm)
Cross slide width	7-3/32"	(180mm)
Cross slide lead screw pitch	.200"/rev.	
Cross slide resolution per division	0.001"	(on diameters)
Carriage lead screw diameter	1-1/2"	(38mm)
Carriage lead screw pitch	4 TPI	(6mm pitch)

Compound-

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

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

Tailstock- (2-speed quill advance)

Quill diameter	2-15/16"	(75mm)
Quill stroke	6-5/16"	(160mm)
Quill taper	MT-5	Morse Taper # 5
Tailstock body set-over adjustment	± 1/2"	(± 13mm)

Thread Cutting-

Thread cutting range – 60 inch pitches	2 – 112 TPI	2 – 112 TPI
Thread cutting range – 60 metric pitches	0.2 – 14mm	0.2 – 14mm
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-

(with clutched feed shaft for safety)

Feeds – longitudinal - 50 feeds	0.0014" – 0.0387"/rev.	0.037 – 1.04mm/rev.
Feeds – cross - 50 feeds	0.0007" – 0.01935"/rev.	0.0185" – 0.52mm/rev.
Power Requirements	220 vac, 3-Phase, 42-Amps (440vac optional)	
Coolant System	1/8-HP Pump Motor, 5 gallon (20L) tank capacity	

Prices and specifications subject to change without prior notice.