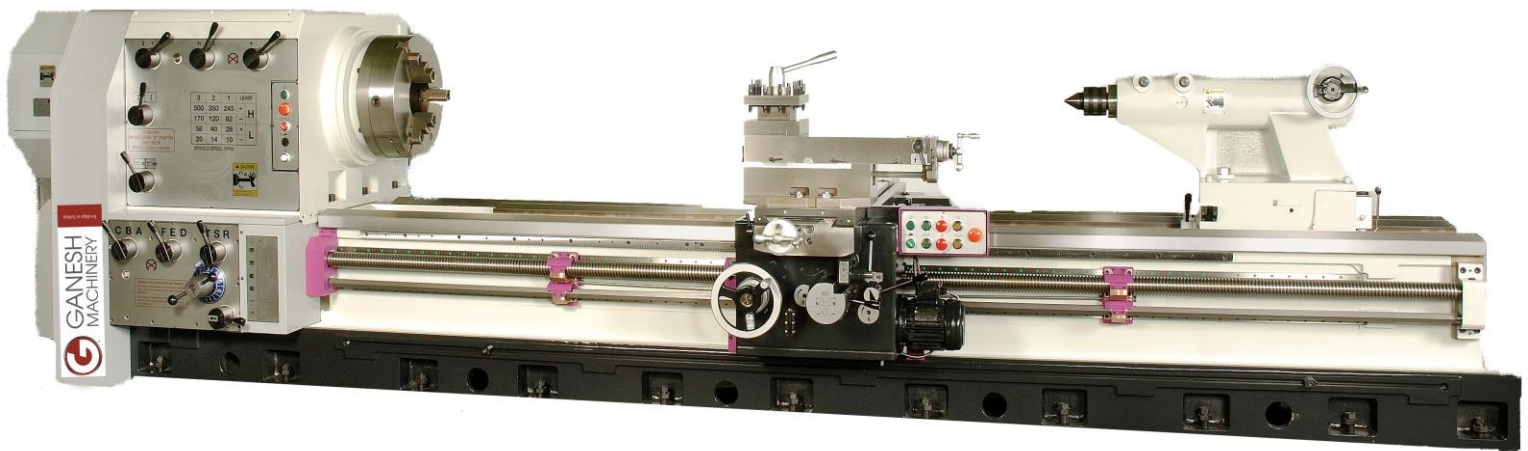




**GANESH
MACHINERY**
The Edge in Cutting.

20869 Plummer St. Chatsworth, CA 91311
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Phone: 818-349-9166 | Fax: 818-349-7286
www.ganeshmachinery.com

GANESH GTW - 34" / 38" / 42" Swing Precision Heavy-Duty Geared-Head Lathe w/ Rapid Feeds in 3-Axis



Full-Length Back Splashguard and Front & Rear Chuck Guard Supplied but not pictured above!

Rear A2-11 Chuck Mount included for "Oil-Field" type work!

***Quick-Taper feature using 14" Powerfeed Compound Travel!
No need to disconnect the leadscrew for taper cuts anymore!
Cut any taper angle using the compound top-slide!***

- **Bed Lengths from 80" – 240" available**
- **25-Horsepower Spindle Motor**
- **12-Gear Selectable Spindle Speeds for High-Torque**
- **Spindle Speeds from 10 - 500 RPM**
- **Spindle Bore 6.7" standard, 10" available**
- **Rapid Traverse for Cross, Longitudinal, & Compound Slides**

STANDARD GANESH GTW- 34 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 superior tool life.
- Induction Hardened & Precision Ground oversized Triple V-Bed Ways with Turcite-B coating
- 3rd way below carriage provides extra rigidity for large diameter machining
- Add a 2' riser to headstock, carriage, and tailstock of the 34" swing lathe for 38" of swing capacity
- Add a 4' riser to headstock, carriage, and tailstock of the 34" swing lathe for 42" of swing capacity

HEADSTOCK:

- 25-HP spindle motor for efficient metal removal capability
- Hardened & ground A2-11 spindle w/ 3-bearing support (A2-15 spindle available)
- 10-500 RPM spindle with 12-gear selected spindle speeds in 10" bore version
- Tapered roller bearings for 10" bore= NSK: Front #32064, back #32060, rear #61864 deep groove ball bearing
- 6.7" spindle bore standard, 10" spindle bore optional
- Alloy Steel Hardened & Ground Headstock Gears
- Rear A2-11 chuck mount for chucks up to 24" in diameter
- Front & Rear chuck guard included
- Hydraulic disk brake for spindle
- Safety gated spindle control lever to protect from accidental engagement

AXIS FEED DRIVE:

- The compound slide features a push-button feed advance, with trip stops for enhanced operational efficiency, as well as powerfeed tied to the feed shaft. Tapered cutting can be achieved over the 14.17" travel using the compound slideway powerfeed for fast and easy taper cutting at any angle.
- No need to disengage the cross-slide leadscrew like typical taper attachments require.
- 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 position indicator 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.

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 is oversized and equipped with a tang-drive and a drift-slot to make removing the centers and taper shank drills very easy and without extraction damage, and features a built-in lubricator.
- Flood coolant system is included with ¼-HP coolant pump. (1/2 HP pump optional)
- 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 in stock in California to ensure continued operation

GANESH MACHINE SPECIFICATIONS:**GTW-34****GTW-38****GTW-42****Capacity & Dimensions-**

Swing over Bed	34" (870mm)	38" (970mm)	42" (1070mm)
Swing over Cross Slide	25.1" (640mm)	29.1" (740mm)	33.5" (840mm)
Center Height	17.71" (450mm)	19.68" (500mm)	21.65" (550mm)

Spindle-

Spindle Bore	6.7" (170mm), (optional 10.04" / 255mm)
Spindle Nose – Front & Rear	A2-11 (A2-15 spindle nose optional)
Spindle Bearing type	Taper roller bearings
Spindle Motor Horsepower	25-HP spindle motor
Spindle speeds - 12 (10-500 RPM with 10" bore)	10, 14, 20, 28, 40, 58, 82, 120, 170, 245, 350, 500

Spindle Weight Capacity-

Workpiece weight limit when held in chuck only	2,200 lbs. (1,000kgs)
Workpiece weight limit when held by chuck & tailstock	8,800 lbs. (4,000kgs)
Workpiece limit held by chuck, steady rest and tailstock	13,200 lbs. (6,000kgs)

Longitudinal Carriage Slide –

Z-axis leadscrew diameter	2.48" (60mm x 12mm pitch)
Z-axis rapid traverse servo motor / RT speed	1-HP (750w) / 80 IPM Rapid Traverse rate
Bed width	22" (560mm)
Width of Carriage	31.50" (800 mm)

Cross Slide –

Cross slide travel (X-axis)	21.65" (550mm) w/40 IPM PB rapid traverse
X-axis leadscrew diameter	1.57" (40mm)
X-axis rapid traverse servo motor / RT speed	3.5 HP (2.5 Kw) / 40 IPM Rapid Traverse rate
Cross slide dimensions	39.38" (1000mm) long, 13.4" (340mm) wide
Compound Rest Travel	14.17" (360mm) (200 IPM PB rapid traverse & power feed)
Cutting tool height maximum	1.25" x 1.25" (32 X 32 mm) on included 4-way toolpost

Tailstock-

Quill diameter / Quill travel	Engraved with inch / metric quill graduations
Quill taper	4.9" / 9.8" (125 mm) / (250 mm)
Tailstock body set-over adjustment	MT-6 Morse Taper # 6 ± ½" (± 13mm)

Thread Cutting)-

Thread cutting range – 70 inch pitches	Lead Screw Diameter 60mm. Pitch 12mm.(2.5" X 2 T.P.I.)
Thread cutting range – 70 metric pitches	0.25-30 TPI
Thread cutting range – 70 diametral pitches	1-120 mm
Thread cutting range – 53 module pitches	2-120 D.P. 0.25-30 M.P.

Feeds-

Feeds – longitudinal (0.05 – 6.38mm/rev.)	(with clutched feed shaft for safety) 0.0019" - 0.228"/rev. & 80 IPM rapid traverse
Feeds – cross (0.025 – 3.04mm/rev.)	0.009" - 0.1149" in/rev & 40 IPM rapid traverse

Power Requirements	440 vac, 3-Phase, 72-amps (220vac optional)
Coolant System	1/4-HP Pump Motor

Here is link to view the short Ganesh "Big-Bore video:

<http://www.ganeshmachinery.com/site/Products/Big-Bore-Manual-CNC-Lathes/Manual-Big-Bore-Oil-Country-Lathes/GTW-34-38-42.aspx>

**The Ganesh GTW-34-38-42 series machines are all manufactured
in our Certified ISO 9001 Production Facility in Taiwan.**

Prices and specifications subject to change without prior notice.