



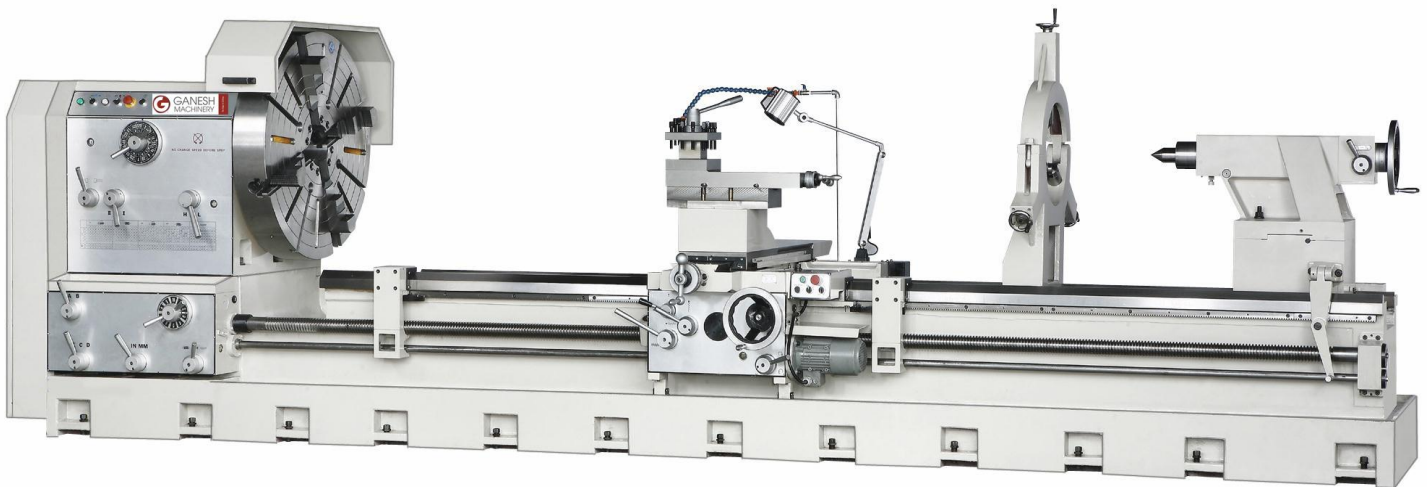
**GANESH
MACHINERY**
The Edge in Cutting.

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GANESH GTD- 44HL

Geared-Head Engine Lathe

44 - 55" Swing, Center-Distances: 60" - 315"



Splashguard & Dorian Quick-Change Tool post included but not shown above.
4-way tool post shown can be substituted at no-charge on the machine order.

Rear Chuck Mount available for "Oil-Field" Type Work

Standard Machine Features

- **30-HP Spindle Motor (40-HP optional)**
- **16-Spindle Speeds for High-Torque**
- **Spindle Speeds from 4 - 420 RPM**
- **A2-11 Spindle with 6" Bore (9", 10", 12 & 15" Spindle Bores Optional)**
- **Rapid Traverse Electric Motor for Longitudinal & Cross Positioning**
- **Risers available to Swing up to $\varnothing 55$ " over the bedways**
- **Rear chuck mount for chucks up to $\varnothing 32$ " (Optional)**
- **T-Slotted Cross Slide for tooling flexibility**
- **Large Boring Bar or additional Toolpost can be mounted on rear of cross slide**
- **Full-length back splashguard standard**

STANDARD GANESH GTD- 44HL 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 better tool life.
- One-piece headstock base and bed casting with heavy reinforced inner structure
- Induction Hardened & Precision Ground oversized Bed Ways with Turcite - B anti-friction coating
- Removing the gap does not have any adverse effect on the rigidity of the machine structure
- Gap-Bed with 55" swing clearance for added workpiece capacity, without a riser

HEADSTOCK:

- 30-HP spindle motor for efficient metal removal capability
- A2-11 spindle w/ 3-bearing support (2x NSK 32040 tapered roller & rear NSK 6036 roller bearings)
- 6" spindle bore (9", 10", 12" and 15" bores optional with A2-15 & A2-20 spindles respectively)
- 16-speed geared-headstock with turbine speed change system (12-speeds on larger bore sizes)
- Sealed oil bath lubrication with mechanical pump for positive on-demand lubrication
- Electromagnetic spindle brake with easy adjustment for different workpiece weights
- Super Alloy Steel Hardened & Ground Headstock Gears
- Safety gated spindle control lever to protect from accidental engagement
- Chuck guard with safety interlock switch

AXIS FEED DRIVE:

- Rapid Traverse feed advance for longitudinal and cross axis for enhanced operational 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 position indicator dials
- Automatic lubrication for longitudinal and cross axis ways
- 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:

- A 6" boring bar holder or additional toolpost can be added to the rear of the cross slide for more tooling. Mounted by either the dovetail on the outside of the cross slide casting or by tapping the surface of the cross slide to mount the holder. This takes advantage of the extended 23.6" cross slide travel.
- 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 burn-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 and without tooling damage.
- Tailstock body is positioned by a hand-cranked pinion gear rotating against a toothed rack
- Cross-slide features T-slots for tool mounting flexibility
- 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 in stock in California to ensure continued operation

GANESH GTD-44HL Series MACHINE SPECIFICATIONS

Capacity & Dimensions-

Swing over Bed	44"	(1,120mm)
Swing over Cross Slide	32"	(810mm)
Swing thru Gap	61"	(1,550mm)
Width of Gap (nose to ways, limited by width of chuck)	19.49"	(495mm)
Distance between Centers (dependent upon bed selected)	59" - 315"	(1,500 – 8,000mm)
Bed width (a 32" wide bed GTD-44HK Heavy-Duty version is optional)	24"	(610mm)

Standard

Spindle-

Spindle Bore (9", 10", 12 & 15" spindle bores optional)	6"	(152 mm)
Spindle Nose	A2-11	A2-15 & A2-20 optional
Spindle taper in spindle nose	MT-7	MT-7
Spindle center height to base	49"	(1245mm)
Spindle Motor Horsepower	30-HP	

Spindle speeds – 6" Bore = 16-speeds from 4 – 420 rpm
 Larger Spindle Bores = 12-speeds (High / Low Speed Ranges)

High	165	225	420	35	19	14	26	310
Low	48	65	120	10	5.5	4	7	90

Spindle Weight Capacity-

Workpiece weight limit when held by chuck only	6,600 lbs	(3,000kgs) (9"=4,500kgs)
Workpiece weight limit when held by chuck and steady rest	15,400 lbs	(7,000kgs) (9"=8,500kgs)
Workpiece weight limit held by chuck, steadyrest & tailstock	19,800 lbs	(9,000kgs) (9"=10,500kgs)

6" Spindle bore version

Carriage –

Cross slide travel	23.60"	(600mm)
Cross slide width	11.81"	(300mm)
Width of Carriage	31.50"	(800mm)
Compound Rest Travel	14.57"	(370mm)
Cutting tool height maximum	1.25" x 1.25"	(32 X 32mm)

Tailstock- (Efficient 2-speed quill advance)

Quill diameter (5.9" & 7.8" diameter optional)	4.53"	(115mm)
Quill stroke	12"	(305mm)
Quill taper	MT-6	MT-7 optional
Tailstock body set-over adjustment	± 0.4"	(± 10mm)

Quill engraved with inch / metric graduations

Thread Cutting-

Lead Screw Diameter	2.36" X 2 T.P.I	(60mm, 12mm Pitch)
Thread cutting range – 70 inch pitches	0.25-30 TPI	
Thread cutting range – 62 metric pitches	1-120mm	
Thread cutting range – 70 diametral pitches	1-120 D.P.	
Thread cutting range – 53 module pitches	0.25-30 M.P.	

Feeds-

Feed Shaft Diameter	1.26"	(32mm)
Feeds – longitudinal	0.0024"-0.28"/rev.	(0.06-7.04mm/rev.)
Feeds – cross	0.0012"-0.14"/rev	(0.03-3.52mm/rev)
Rapid traverse motor	1-HP	(0.75kw)

Power-

Connected load - 86-Amps Full Load	Wired 440vac (220/440vac motor)
Coolant motor (coolant capacity shown with pricing)	.125-HP (0.2kw)

**The Ganesh GTD-44HL machines are manufactured in our
 Certified ISO 9001 Production Facility in Taiwan.**

Here is link to view the short Ganesh “Big-Bore video: <http://youtu.be/6cLK3jPtN9A>

Floor Plan Layout

Power requirements
 220 VAC, 3 Phase, 60 amps
 (440 VAC, 3 Phase, 35 amps)

Model	GT-44160	GT-44200	GT-44240
A	241"	281"	321"
B	84"	84"	84"
C	60"	60"	60"
D	49"	49"	49"

<div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> <p>GANESH MACHINERY <i>The Edge in Quality.</i></p> </div>		DESCRIPTION			
		GTD-44-55 HL Lathe			
DRAWN	DATE	CHECKED	DATE	APPROVED	DATE
DBS					
SCALE	SHEET	DISTANCE			REVISION
N/A					
UNIT OF MEAS.	SHT.	OF			

Prices and specifications subject to change without prior notice.