



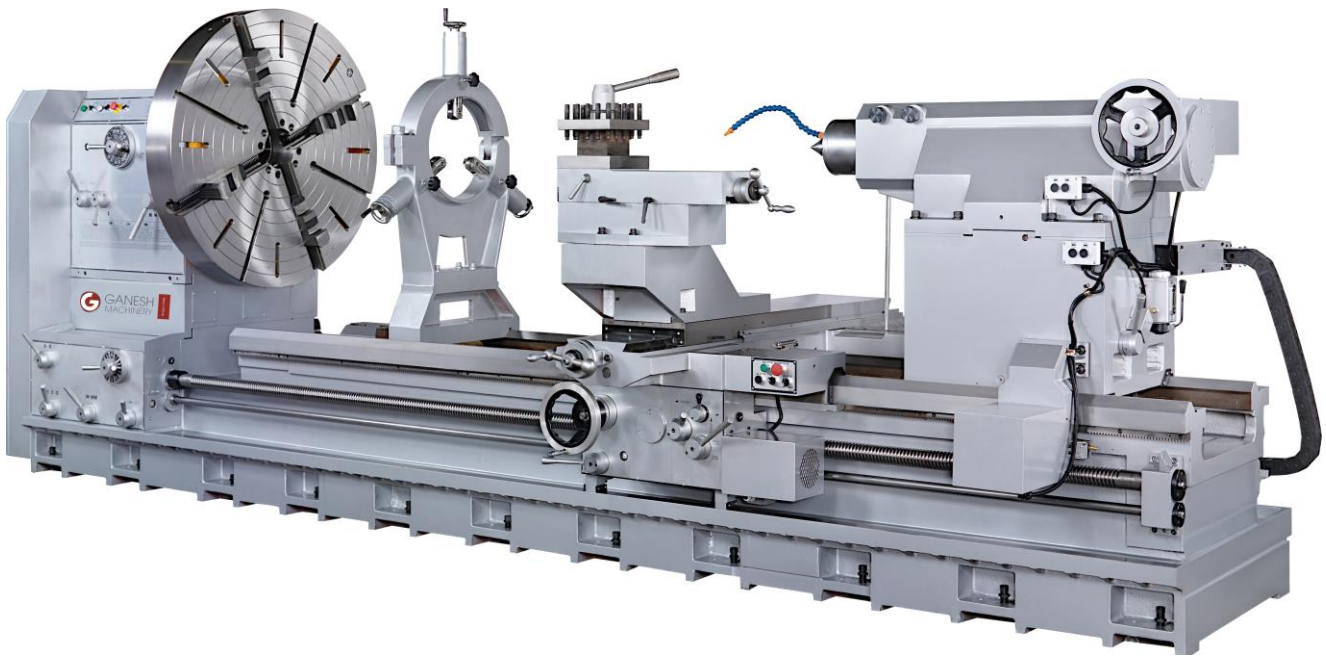
**GANESH
MACHINERY**
The Edge in Cutting.

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GANESH GTD- 44HK

Super Heavy-Duty Geared-Head Engine Lathe

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



Dorian Quick-Change Tool post, chuck guard and full back Splashguard included but not shown.
4-way tool post shown can be substituted for Dorian Quick-Change Toolpost. Faceplate shown is optional.

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

- **40-HP Spindle Motor**
- **16-Spindle Speed Gear-Ranges for High-Torque**
- **A2-11 Spindle with 6" Bore (9", 10, 12 & 15" Spindle Bores Optional)**
- **Double Set of Spindle Bearings for Extra Weight Capacity**
- **Taper Attachment with 18" of Stroke**
- **Electric Motor for Rapid Traverse of Cross & Longitudinal Axis Motion**
- **Motor Driven Tailstock Body & Motor Driven Quill**
- **Swings 55" Through the Gap Bed – Standard machine**
- **Risers available to Swing up to $\varnothing 55"$ over the bedways**
- **Rear chuck mount for chucks up to $\varnothing 32"$ (Optional)**
- **Rear cross-slide 6" bore bar holder optional**
- **Full-length back splashguard **standard** (not shown on above photo)**

STANDARD GANESH GTD- 44HK H-D SERIES LATHE FEATURES:

CONSTRUCTION:

- Meehanite Castings, fine grain and high-density FC-30 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 Ø55" swing clearance for added workpiece capacity, without using a riser

HEADSTOCK:

- 40-HP spindle motor for efficient metal removal capability
- A2-11 spindle w/ 6-bearing support (4x NSK 32040 tapered roller & 2x rear NSK 6036 roller bearings)
- 6" spindle bore (9", 10", 12" & 15" bores optional with A2-15 & A2-20 spindles respectively)
- 16-speed geared-headstock with turbine speed change system – infinitely variable with CSS
- 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 motor 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
- Turcite-B coated X & Z axes
- 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 large 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 30" 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.
- Tailstock body is positioned by electric motor pinion gear drive rotating against a toothed rack
- Tailstock quill is electric motor driven
- 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-44HK Super Heavy-Duty Series Specifications

Capacity & Dimensions-

Swing over Bed	44"	(1,120mm)
Swing over Cross Slide	27.95"	(710mm)
Swing thru Gap	55.11"	(1,400mm)
Width of Gap (nose to ways, limited by chuck width)	23.43"	(595mm)
Distance between Centers (dependent upon bed selected)	80" - 315"	(2,000 – 8,000mm)
Bed width	32"	(810mm)

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	40-HP	
Spindle speeds – Infinitely Variable with CSS	16-gears	from 4 – 420 RPM

Spindle Weight Capacity-

Workpiece weight limit when held in chuck only	9,600 lbs	(9"=12,500 lbs.)
Workpiece weight limit when held in chuck & steady rest	24,400 lbs	(9"=29,800 lbs.)
Workpiece weight limit - held in chuck, steady rest & tailstock	26,800 lbs	(9"=32,100 lbs.)

Carriage -

Cross slide travel	27.56"	(700mm)
Cross slide width	13.75"	(350mm)
Width of Carriage	34.65"	(880mm)
Compound Slide Travel	15.75"	(400mm)
Compound Slide Width	10"	(250mm)
Cutting tool height maximum	1.5" x 1.5"	(40 X 40mm)

Tailstock-

	(Electric motor driven body & quill)	
Quill diameter	7.87"	(200mm)
Quill stroke	20.87"	(530mm)
Quill taper	MT-6	MT-7 optional
Tailstock body set-over adjustment	± 0.4"	(± 10mm)
Tailstock body movement	Push-Button ½-HP electric motor driven	
Quill Drive	Push-Button ¼-HP electric motor driven	

Thread Cutting-

Lead Screw Diameter (60mm, 12mm Pitch metric order)	2.36" X 2 T.P.I
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.

Inch/Metric Gear Box

Feeds-

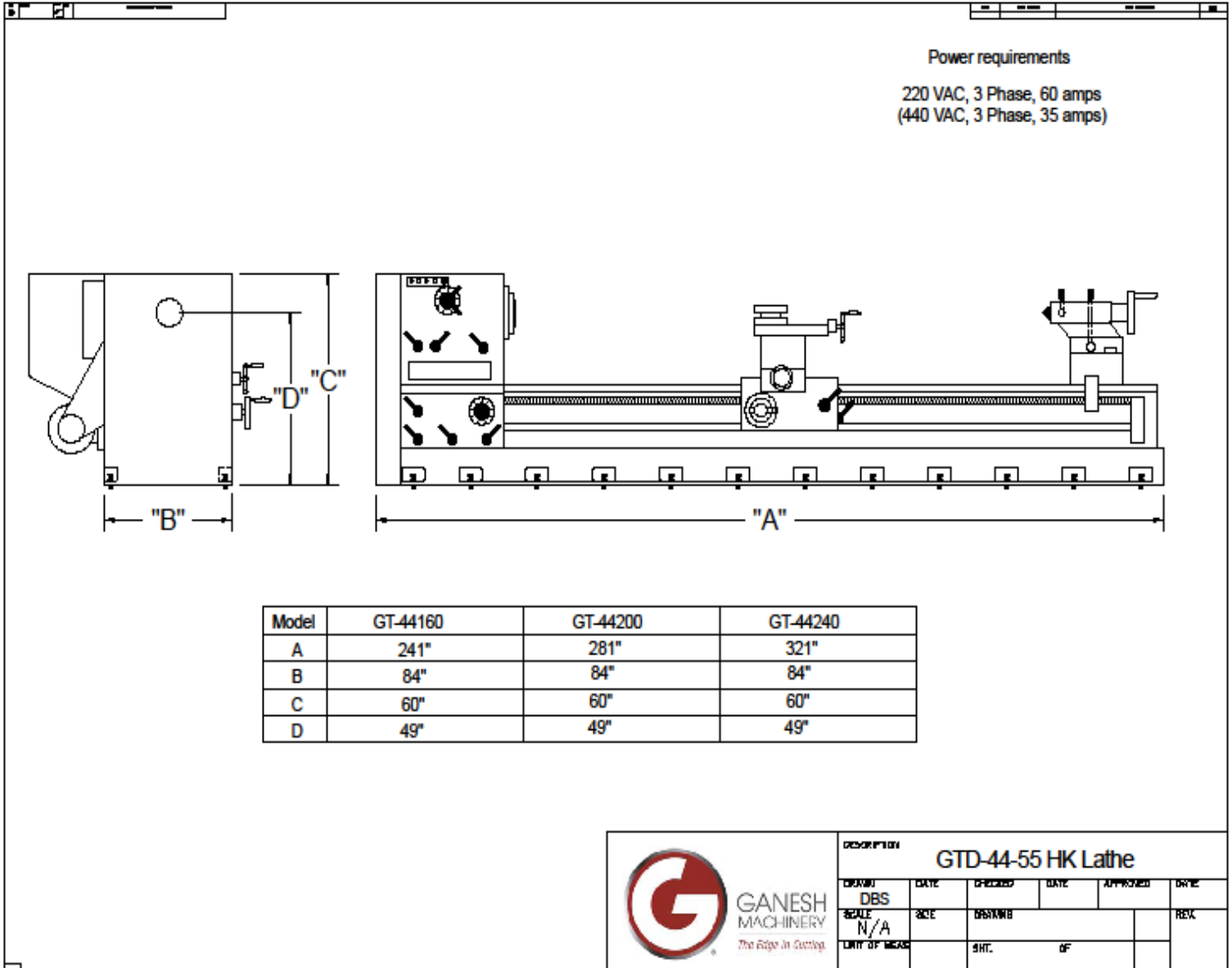
Feed Rod Diameter	1.26"	(32mm)
Feeds – longitudinal	0.0024"-0.28"/rev	(0.06-7.04mm/rev)
Feeds – cross	0.0012"-0.14"/rev	(0.03-3.52mm/rev)

Power-

Connected load - 120-Amps Full-Load	Wired 440vac, (220/440vac motors)
Rapid traverse motor for cross & longitudinal motion	1-HP (0.75kw)
Coolant motor / Coolant tank capacity	.25-HP (0.2kW / capacity shown on price sheet)

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

Floor Plan Layout



Prices and specifications subject to change without prior notice.