

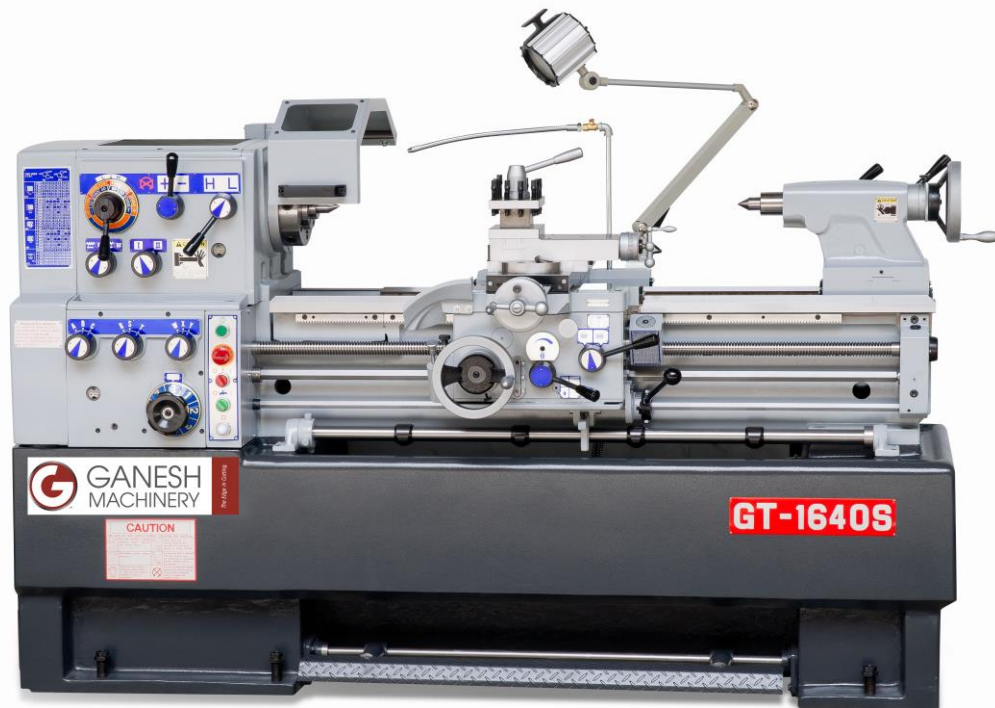


**GANESH
MACHINERY**
The Edge in Cutting.

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GANESH Precision GT-16 Series Geared-Head Engine Lathes

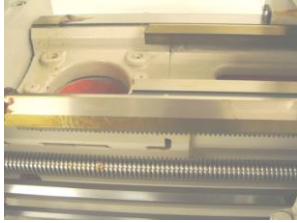
16" Swing over Bedways, 40" & 60" Center Distances



- **7-1/2-HP Spindle Motor**
- **Spindle Speeds from 30 – 2000 RPM**
- **12-Spindle Speed Gear-Ranges for High-Torque**
- **D1-6 Camlock Spindle**
- **2-1/16" Spindle Bore (52mm)**
- **4-Way Toolpost**
- **23-3/8" Swing in 6.5" Wide Gap**
- **Includes Full-Length Back Splashguard**

STANDARD GT-16 GEARED HEAD ENGINE LATHE FEATURES

CONSTRUCTION:



- Meehanite Castings, fine grain and high-density cast iron using the superior Meehanite process yields superior vibration dampening and improved surface finish and tool life.
- Induction Hardened & Precision Ground oversized Bed Ways
- Gap-Bed with 23-7/16" swing clearance for added capacity

HEADSTOCK:



- 7-1/2 HP spindle motor for efficient metal removal capability
- Hardened and ground D1-6 Camlock spindle nose & 3-bearing spindle
- Two tapered roller bearings and a rear deep-groove ball bearing
- 12-speed geared-head with 30 – 2000 rpm spindle speed
- Alloy Steel Hardened & Ground Headstock Gears
- Safety gated spindle control lever to protect from accidental engagement
- Chuck guard w/ Micro-switch to control spindle for added operator safety
- Footbrake provided for added safety and operational convenience

AXIS FEED DRIVE:

- 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 through simultaneous engagement.
- The fourth rod controls a 4-position automatic feed stop which disengages the longitudinal feed motion at 4-distinct adjustable pre-determined 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 quill is oversized and equipped with a tang-drive and a drift-slot to make removing the centers and taper shank drills very easy.
- 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 to ensure continued operation

PRECISION BUILT IN TAIWAN AT OUR ISO-9000 APPROVED FACILITY

GANESH GT-16 SERIES MACHINE SPECIFICATIONS

Capacity & Dimensions-

Swing over Bed	16"	410mm
Center height	8-1/16"	205mm
Swing over Cross Slide	9-7/16"	240mm
Swing thru Gap	23-7/16"	595mm
Length of Gap in front of face plate, D1-6 / A1-6	6-1/8" / 6-7/8"	155mm / 175mm optional
Bed casting width / bed casting height	11-13/16" / 8-1/16"	300mm / 205mm

Spindle-

Spindle Motor Horsepower	7.5 HP	7.5 HP
Spindle speeds – 12-speeds (30 – 2000 rpm) (+ = High & - = Low)		

+	540	1600	325	1000	700	2000
-	55	160	30	95	70	200

Spindle Bore	2-1/16"	52mm
Spindle Nose	D1-6	A1-6 optional
Spindle taper in spindle nose	MT-6	Morse Taper #6

Carriage -

Cross slide travel / Cross slide width	9" / 7-3/32"	230mm / 180mm
Cross slide lead screw pitch	.200"/rev.	
Cross slide resolution per division	0.001"	(on diameters)
Carriage lead screw diameter / pitch	1-1/4" / 4 TPI	32mm / 6mm pitch
Feed rod dimensions	7/8" hexagon	23mm hexagon

Compound-

Compound top slide travel / Compound width	4-3/4" / 4-11/32"	120mm / 110mm
Cutting tool height maximum	1.0" x 1.0"	25mm x 25mm

Tailstock-

	Engraved with inch / metric quill graduations	
Quill diameter	2-1/8"	54mm
Quill stroke	4-3/4"	120mm
Quill taper	MT-4	Morse Taper #4
Quill tang drive and drift-slot for tailstock	included	
Tailstock body set-over adjustment	± 1/2"	± 13mm

Thread Cutting-

Thread cutting range – 40 inch pitches	2 – 56 TPI	
Thread cutting range – 53 metric pitches	0.4 – 14mm	
Thread cutting range – 32 diametral pitches	4 – 32 D.P.	Optional
Thread cutting range – 44 module pitches	0.4 – 7 M.P.	Optional

Feeds-

	(with clutched feed shaft for safety)	
Feeds – longitudinal - 40 feeds	0.0012" – 0.0252"/rev.	0.032mm – 0.898mm/rev.
Feeds – cross - 40 feeds	0.0006" – 0.0126"/rev.	0.016mm – 0.449mm/rev.
Feed stop control shaft	4-adjustable automatic feed stops to disengage the longitudinal feed	

Power-

Coolant pump motor	220vac, 1/8-HP, 3-Phase
Power requirements	220 vac, 7.5-HP, 3-Phase @ 35-amps

Prices and specifications subject to change without prior notice.