

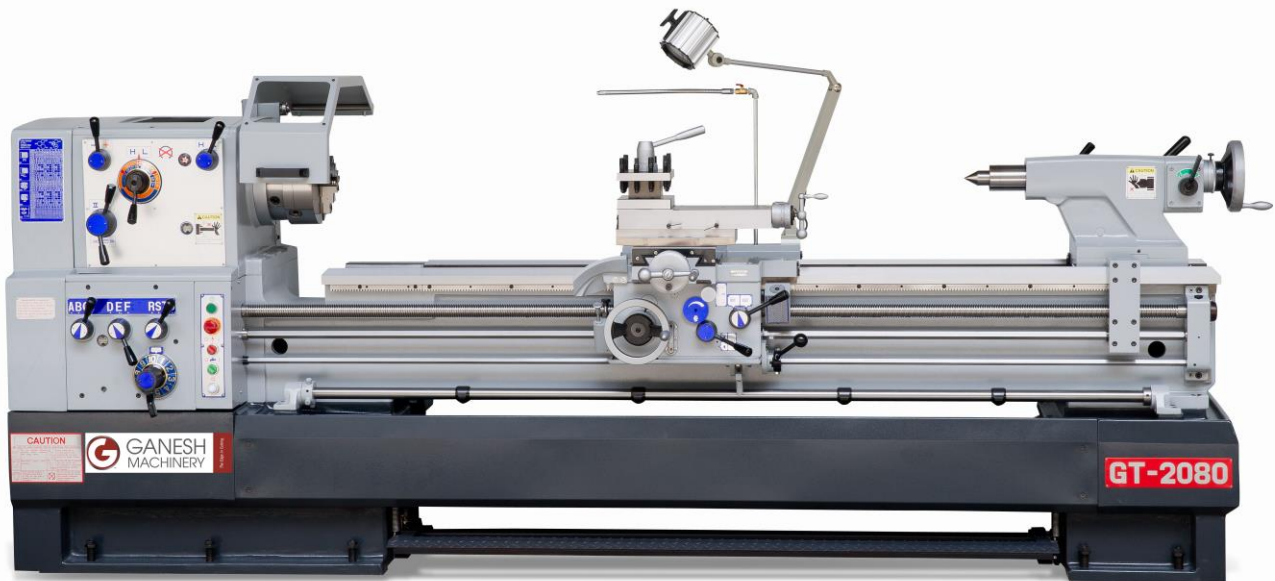


**GANESH
MACHINERY**
The Edge in Cutting.

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GANESH Precision GT-20 Series Geared-Head Engine Lathes

20" Swing over Bedways, 40" - 160" Center Distances

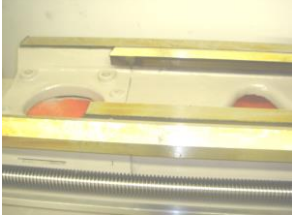


Full-length back splash guard included but not shown above.

- **10-HP Spindle Motor (15-HP Optional)**
- **Spindle Speeds from 20 – 1550 RPM**
- **12-Spindle Speed Gear-Ranges for High-Torque**
- **D1-8 Camlock Spindle**
- **3-1/8" Spindle Bore (80mm)**
- **4-Way Toolpost**
- **26-3/8" Swing in the 7" Wide Bed Gap**
- **Includes Full-Length Back Splashguard**

GT-20 SERIES 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.
- Hardened & Precision Ground Bed Ways with Turcite-B anti-friction coating
- Gap-Bed with 26-3/8" swing clearance for added work piece capacity

HEADSTOCK:



- 10-HP heavy-duty spindle motor for efficient metal removal capability
- Hardened & ground D1-8 Camlock 3-bearing spindle with 3-1/8" spindle bore
- 12-speed geared-head with 20 – 1550 rpm spindle speeds
- 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 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 feed stop positions.

MACHINE FEATURES:



- Automatic way lubrication with filtered pressure lubrication system.
- The electrical control box and coolant system are equipped with electromagnetic contactors and overload relay protection devices to prevent motors from burning out and to ensure safe operation.
- The 2-speed advance 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
- Large compliment of parts and accessories in stock to ensure continued operation
- 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

GANESH GT-20 SERIES MACHINE SPECIFICATIONS

Capacity & Dimensions-

Swing over Bed	20"	510mm
Center height	10"	255mm
Swing over Cross Slide	13"	330mm
Swing thru Gap	26-3/8"	680mm
Length of Gap in front of D1-8 face plate	7-1/16"	180mm
Bed Casting - width / depth	16-1/8" / 12-7/32"	400mm / 310mm

Spindle-

Spindle Motor Horsepower	10-HP 3-Phase
Spindle speeds – 12-speeds, 20 – 1550 rpm (High & Low)	

+	1550	150	680	60	1100	100
-	490	45	210	20	350	30

Spindle Bore	3-1/8"	80mm
Spindle Nose	D1-8 Cam lock	
Spindle taper in spindle nose	MT-7	Morse Taper # 7
Spindle taper reduction sleeve provided	MT-7 to MT-5	

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
Feed rod dimensions	7/8" hexagon	23mm hexagon

Compound-

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

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

Tailstock- (2-speed quill advance)

Quill diameter	2-15/16"	75mm
Quill stroke	6-5/16"	160mm
Quill taper	MT-5	Morse Taper # 5
Quill tang drive and drift-slot for tailstock	included	
Tailstock body set-over adjustment	± 1/2"	± 13mm

Engraved with inch / metric quill graduations

Thread Cutting-

Leadscrew diameter / pitch	1-1/2" / 4 TPI	38mm / 6mm pitch
Thread cutting range – 60 inch pitches	2 – 112 TPI	
Thread cutting range – 60 metric pitches	0.2 – 14mm	
Thread cutting range – 50 diametral pitches	4 – 112 D.P.	
Thread cutting range – 50 module pitches	0.2 – 7 M.P.	

Feeds-

Feeds – longitudinal - 50 feeds	(with clutched feed shaft for safety)
Feeds – cross - 50 feeds	0.0014" – 0.0387"/rev. 0.037 – 1.04mm/rev.
Feed stop shaft	0.0007" – 0.01935"/rev. 0.0185 – 0.52mm/rev.
Coolant Pump	4-adjustable automatic feed stops to disengage the longitudinal feed
Machine Power Requirements (440vac optional)	1/8-HP
	220vac, 3-Phase,

PRECISION BUILT IN TAIWAN AT OUR ISO-9002 CERTIFIED FACILITY

Prices and specifications subject to change without prior notice.