



## **GMC SUPER PRECISION TOOLROOM LATHES**

**Model # GMC TL-618E**

**MADE IN TAIWAN**

# GMC TL-618E, 6" x 18", inverter drive spindle and power feeding.

### **Standard Features**

- Made in Taiwan
- ISO 9001 certified
- Spindle run-out within 0.00005" ( 50 millionths inch )
- Turcite-B coating on guideways
- 3HP Yaskawa inverter drive spindle motor
- Infinity Yaskawa inverter drive spindle speeds from 0-4,000 rpm
- Easy to read digital readout on actual spindle rpm speeds
- Electric variable automatic feeding control on carriage and cross slide
- Quick change tool post slide for threading
- Digital control & inverter drive gearbox ( no change gear ) for #GMCTL-618E, easy cutting threads, variable inch / metric threads range
- Automatic thread length control w/ fine adjustable stops for accurate threading
- 36 kinds of inch threads, and 36 kinds of metric threads
- Spindle is balanced, hardened and precision ground
- High precision pre-loaded angular contact bearings for spindle
- Lubrication system for headstock, feed box, ways and leadscrews
- Power 220V, 3 phase ( 220V, 1 phase is optional )
- One year industrial warranty for parts

**SUPER PRECISION TOOLROOM LATHES , TAIWAN**

<b>Specifications</b>		<b>GMC TL-618E</b>
Max. swing over cross slide		6"
Distance between centers		18"
Max. swing over bed		11"
Swing over carriage		9"
Spindle capacity:		
with 3-jaw chuck		6"
With expanding collets		3"
With round 5C collets		1-1/16"
With hexagon 5C collets		7/8"
With Square 5C collets		3/4 "
With step chucks		1-1/16" to 6"
Spindle nose diameter		2.189"
Spindle nose ID/OD		5C / 4 agree taper
Spindle thru hole		1-1/4"
Bar stock diameter with 5C closer		1-1/16"
Variable spindle speeds	0-4,000 rpm (5C) / 0-3,000 rpm ( with 6" 3-jaw chuck)	
Leadscrew diameter / pitch		1" / 8 PTI
Carriage power feed speed range		5/16" to 7" / min.
Cross slide power feed range		3/16" to 4 " / min.
Cross slide travel		6"
Quick change compound slide travel		0.1"
Compound slide travel		3"
Inch threads		4-120 TPI , variable
Metric threads		0.2-6.35mm, variable
Tailstock quill diameter		1-3/8"
Tailstock quill taper		MT# 2
Tailstock quill travel		3-3/4"
Spindle motor ( inverter drive )		3HP, 220V , 3 phase
DC feeding motor		110V, 70 W
Inverter drive for gear box		1/2 HP,220V, 3phase
Coolant pump		1/8HP, 220V, 3phase
Machine weight , approx.		2,640 LBS
Machine dimensions, LxWxH		73" x 30" x 67"

**Standard Equipment for GMC TL-618E :**

- 5C collet closer installed
- 8" drive plate with drive dog
- Drive gear
- Halogen work light
- \* Quick change gear box
- \* Dual inch / metric dials
- \* Coolant system
- \* Tool box with tools

**Optional Equipment for GMC TL-618E :**

- 6" zero-set 3-jaw chuck with taper back plate #3jaw-6-618E.
- 6" 4-jaw chuck with taper back plate # 4-jaw-6-618E.
- Taper turning attachment ( installation is optional )# TA-618E.
- Full length rear splash guard # RSG-618E.
- NEWALL DRO, # C80 # NW618.
- 33 pc round 5C collet set, from 1/16 to 1-1/16" by 32ndth, # 900-0014.
- 13 pc hexagon 5C collet set, 1/8" to 7/8" by 1/16<sup>th</sup>, # 900-0015-17.
- 11 pc square 5C collet set, 1/8" to 3/4" by 1/16" , # 900-0015-64.
- 220V, 1 phase version ( upgrade to 5HP inverter ) # SPV-TL618.

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