



Catalog # GMC-112307

## SUPER PRECISION HIGH SPEED TOOLROOM LATHES

Made in Taiwan

ISO 9001



GMC-TL-618EVS



GMC-TL-618E

### Standard Features:

- 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 & cross slide
- Quick change tool post slide for threading
- Dual range inch/metric quick change gear box for TL-618EVS
- Digital control & inverter drive gearbox no change gear for TL-618E, easy cutting threads
- 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 ( option 220V, 1 phase )



# SUPER PRECISION HIGH SPEED TOOLROOM LATHES

Specifications	GMC TL-618EVS	GMC TL-618E
Max. swing over cross slide	6"	6"
Distance between centers	18"	18"
Max. swing over bed	11"	11"
Swing over carriage	9"	9"
Spindle capacity:		
with 3-jaw chuck	6"	6"
With expanding collets	3"	3"
With round 5C collets	1-1/16"	1-1/16"
With hexagon 5C collets	7/8"	7/8"
With Square 5C collets	3/4"	3/4"
With step chucks	1-1/16" to 6"	1-1/16" to 6"
Spindle nose diameter	2.189"	2.189"
Spindle nose ID/OD	5C / 4 degree taper	5C / 4 degree taper
Spindle thru hole	1-1/4"	1-1/4"
Bar stock diameter with 5C closer	1-1/16"	1-1/16"
Variable spindle speeds	0-4,000 rpm (5C) / 0-3,000 rpm ( with 6" 3-jaw chuck)	
Leadscrew diameter / pitch	1" / 8TPI	1" / 8 PTI
Carriage power feed speed range	5/16" to 7" / min.	5/16" to 7" / min.
Cross slide power feed range	3/16" to 4" / min.	3/16" to 4" / min.
Cross slide travel	6"	6"
Quick change compound slide travel	0.1"	0.1"
Compound slide travel	3"	3"
Inch threads	11-118 TPI , 36 kinds	4-120 TPI , variable
Metric threads	0.275-2.7mm, 36 kinds	0.2-6.35mm, variable
Tailstock quill diameter	1-3/8"	1-3/8"
Tailstock quill taper	MT# 2	MT# 2
Tailstock quill travel	3-3/4"	3-3/4"
Spindle motor ( inverter drive )	3HP, 220V, 3 phase	3HP, 220V , 3 phase
DC feeding motor	110V, 70 W	110V, 70 W
Inverter drive for gear box	---	1/2 HP,220V, 3phase
Coolant pump	1/8HP, 220V, 3 phase	1/8HP, 220V, 3phase
Machine weight , approx.	2,530 LBS	2,640 LBS
Machine dimensions, LxWxH	73" x 30" x 67"	73" x 30" x 67"

**Specifications are subject to change without prior notice**

## Standard Equipment:

1. 5C collet closer installed
2. Quick change gear box
3. Drive gear
4. 8" drive plate with drive dog
5. Dual inch / metric dials
6. Coolant system
7. Halogen work light
8. Tool box with tools

## Optional Equipment:

1. 6" zero-set 3-jaw chuck
2. Taper turning attachment
3. NEWALL DRO # C80
4. Full length rear splash guard
5. 33 pc round 5C collet set
6. 13 pc hexagon 5C collet
7. 11 pc square 5C collet set
8. 220V, 1 phase version ( upgrade to 5HP inverter )

Distributor:

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