

## Heavy Duty Variable Speed Lathes TY-2500, TY-2000

### MAIN FEATURES

Hardened and precision ground bed way.

The cross slide is induction hardened to HRC 52° and precision ground.

The slideways between the saddle and bed are TURCITE B coated, reducing friction and saving on power consumption.

Two speed tailstock is standard.



*Machine may be illustrated with optional accessories.*

Model:	TY-2500		TY-2000		
<b>CAPACITY</b>					
Distance between centres	1145mm (45.07")		1600mm (62.99")		
Swing over bed	460mm (18.11")				
Swing over cross slide	288mm (11.33")				
Swing in gap	640mm (25.19")				
Length of gap in front of face plate	180mm (7.08")				
Centre height	230mm (9.05")				
Bed width	300mm (11.81")				
Centre height from floor	1150mm (45.27")				
<b>HEADSTOCK</b>					
Spindle bore	60mm (2.36")				
Spindle nose	D1-6				
Spindle taper in nose	MT6				
Spindle taper in sleeve	MT4				
Variable speed range	3 steps	Constant Torque	Constant Power	Constant Torque	Constant Power
	H	125-800rpm	800-2500rpm	100-640rpm	640-2000rpm
	M	43-270rpm	270-850rpm	35-215rpm	215-680rpm
	L	14-90rpm	90-275rpm	12-70rpm	70-220rpm
<b>CARRIAGE &amp; COMPOUND</b>					
Cross slide travel	265mm (10.43")				
Compound rest travel	135mm (5.31")				
Leadscrew diameter, thread	ø1 3/8", 4 TPI				
<b>THREADS &amp; FEEDS</b>					
Imperial pitches	60 Pos	2-112 TPI			
Metric pitches	60 Pos	0.2-14 mm pitch			
Diametral pitches	50 Pos	4-112 DP			
Module pitches	50 Pos	0.2-7 MP			
Imperial cross feeds	50 Pos	0.0007-0.01935 "/rev			
Metric cross feeds	50 Pos	0.0185-0.52 mm/rev			
Longitudinal feeds	50 Pos	0.037-1.04 mm/rev (0.0014-0.0387"/rev)			
<b>TAILSTOCK</b>					
Quill diameter	ø60mm (ø2.36")				
Quill travel	150mm (5.90")				
Quill taper	MT4				
<b>MOTORS</b>					
Spindle motor	10hp				
Coolant pump	1/8hp				
Electrical rating	220V 30Amp 60Hz 3Ph				
<b>WEIGHT &amp; DIMENSIONS</b>					
Machine length	2500mm (98.5")		3000mm (118")		
Machine width	1170mm (46")				
Machine height	1285 mm (5037")				
Net weight	1970 kg (4343 lb)		2000 kg (4409 lb)		

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### ACCESSORIES

#### Standard:

- Headstock chuck guard
- Coolant system
- Rear splash guard
- Micro stop
- Steady rest w/roller bearings 1-6"
- 2 Speed tailstock

#### Included:

- 10" 3-Jaw D1-6 self-centering precision steel chuck, direct mount
- GS2-B Klopfer Quick Change precision tool post set includes:  
2pc BH-30130 tool holders  
1pc BD-25140 bar holder
- 2-Axis digital readout installed
- 14KVA Transformer 600V Sec 220V

#### Optional:

- 12" 4-Jaw D1-6 independent chuck, direct mount
- Follow rest
- Taper attachment
- LED Machine lamp



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