

## High Speed Precision Lathe TY-1845S

### MAIN FEATURES

One piece Meehanite cast base.

Hardened and precision ground bed way.

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

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



*Machine may be illustrated with optional accessories.*

Model:	<b>TY-1845S</b>	
<b>CAPACITY</b>		
Distance between centres	1145 mm (45.07")	
Swing over bed	460 mm (18.11")	
Swing over cross slide	288 mm (11.33")	
Swing in gap	640 mm (25.19")	
Length of gap in front of face plate	180 mm (7.08")	
Center height	230 mm (9.05")	
Bed width	300 mm (11.81")	
<b>HEADSTOCK</b>		
Spindle bore	58 mm (2.28")	
Spindle nose	D1-6	
Spindle taper in nose	MT6	
Spindle taper in sleeve	MT4	
Speed range (12 steps)	30 – 2000 rpm	
<b>CARRIAGE &amp; COMPOUND</b>		
Cross slide travel	265 mm (10.43")	
Compound rest travel	135 mm (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
Diametral pitches	50 Pos	4-112 DP
Module pitches	50 Pos	0.2-7 MP
Cross feeds	50 Pos	0.0185-0.52 mm/rev (0.0007-0.01935"/rev)
Longitudinal feeds	50 Pos	0.037-1.04 mm/rev (0.0014-0.0387"/rev)
<b>TAILSTOCK</b>		
Quill diameter	ø60 mm (ø2.36")	
Quill travel	150 mm (5.90")	
Quill taper	MT4	
<b>MOTORS</b>		
Spindle motor	7 1/2hp	
Coolant pump	1/8hp	
Electrical rating	600V 10Amp 3Ph 60Hz	
<b>WEIGHT &amp; DIMENSIONS</b>		
Machine length	2435 mm (95.86")	
Machine width	1150 mm (43.5")	
Machine height	1270 mm (50")	
Net weight	1810 kg (3990 lb)	

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### ACCESSORIES

#### Standard:

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

#### Included:

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

#### Optional:

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



## Heinman Machinery Ltd.

6105 Kestrel Rd, Mississauga ON L5T 1Y8  
T 905-564-9479

sales@heinmanmachinery.com  
www.heinmanmachinery.com