

Variable Speed Centre Lathe TY-1640VS

MAIN FEATURES

- One piece Meehanite cast base.
- Hardened and precision ground gears and bed ways.
- Large rigid compound rest for heavy cutting.
- Headstock transmission gears driven by spline shafts.
- 52mm bore, spindle bearings supported in 3 positions.
- Automatic pressure lubrication system.
- Imperial and metric thread cutting without gear change.
- An automatic feed mechanism is mechanically interlocked with the thread cutting lever to prevent damage that would occur through simultaneous engagement.
- MT4 quill with tang-drive and drift-slot for tailstock.
- The electrical control and coolant system are fitted with electro-magnetic contactors and overload relay protection devices to prevent motor burn-out and ensure safe operation.



Machine may be illustrated with optional accessories.

Lathe Specifications

Model		TY-1640VS	
CAPACITY			
Distance between centres		1016 mm (40")	
Swing over bed		410 mm (16.14")	
Swing over cross slide		240 mm (9.44")	
Swing in gap		595 mm (23.42")	
Length of gap in front of face plate		155 mm (6.10")	
Centre height		205 mm (8.07")	
Bed width		300 mm (11.81")	
HEADSTOCK			
Spindle bore		52 mm (2.04")	
Spindle nose		D1-6	
Spindle taper in nose		MT6	
Spindle taper in sleeve		MT4	
Variable speed range	2 steps	Constant Torque	Constant Power
	H	125-850rpm	800-2500rpm
	L	43-290rpm	290-850rpm
CARRIAGE & COMPOUND			
Cross slide travel		230 mm (9")	
Compound rest travel		120 mm (4.72")	
Leadscrew diameter, thread		Ø1¼", 4 TPI	
THREADS & FEEDS			
Imperial pitches	40 Pos	2-56 TPI	
Metric pitches	53 Pos	0.4-14 mm	
Diametral pitches	32 Pos	4-32 DP	
Module pitches	44 Pos	0.4-7 MP	
Cross feeds	40 Pos	0.016-0.449 mm/rev (0.0006-0.0126"/rev)	
Longitudinal feeds	40 Pos	0.032-0.898 mm/rev (0.0012-0.0252"/rev)	
TAILSTOCK			
Quill diameter		Ø54 mm (Ø2.12")	
Quill travel		120 mm (4.72")	
Quill taper		MT4	
MOTORS			
Spindle motor		7 1/2hp	
Coolant pump		1/8hp	
Electrical rating		600V 8Amp 3Ph 60Hz	
WEIGHT & DIMENSIONS			
Machine length		2240 mm (88.25")	
Machine width		1060 mm (41.75")	
Machine height		1205 mm (47.5")	
Net weight		1750 kg (3858 lb)	

ACCESSORIES

Standard:

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

Included:

- 8" 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
- Built-in transformer 600V Sec 220V

Optional:

- 10" 4-Jaw D1-6 independent chuck, direct mount
- 12" 4-Jaw D1-6 independent chuck, direct mount
- Follow rest
- Taper attachment
- LED Machine lamp

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