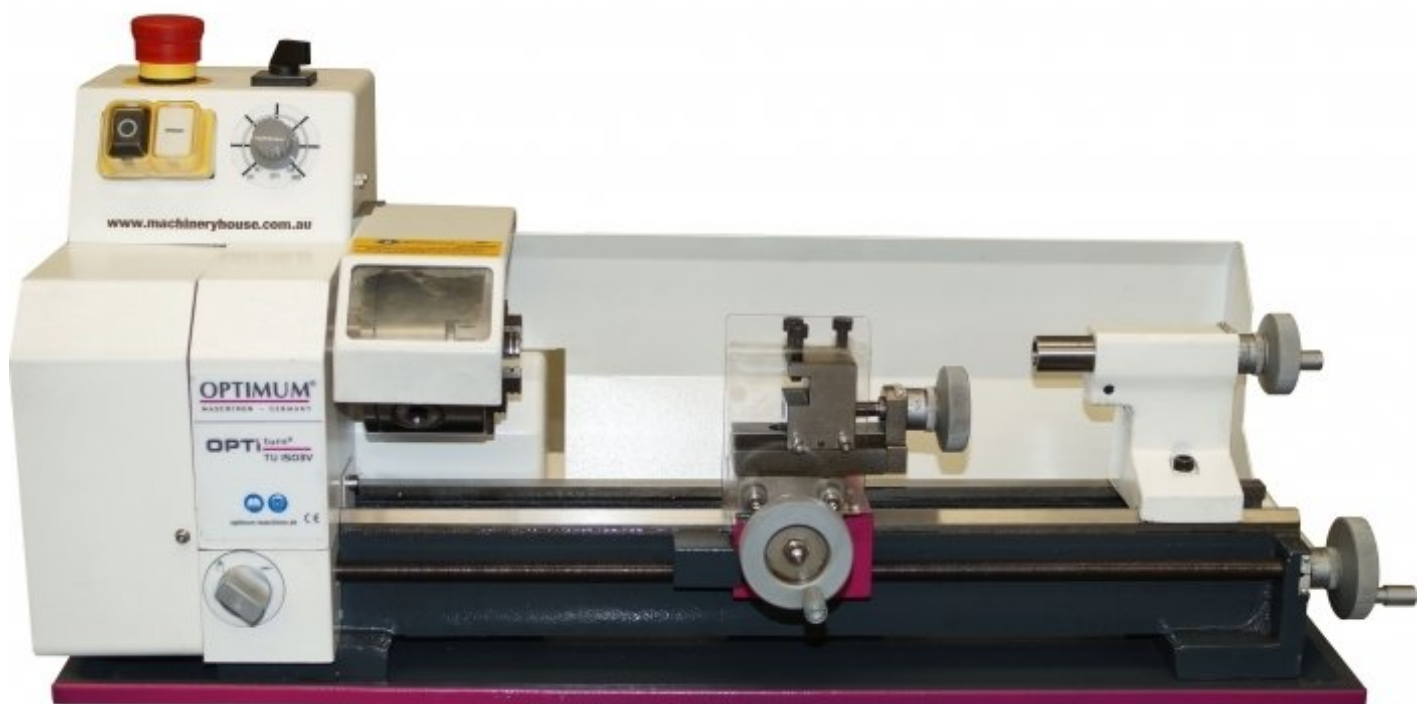


OPTIMUM TU-1503V

OPTIMUM®

Opti-Turn Bench Lathe - Mini

Ø150 x 300mm Turning Capacity - Ø11mm Spindle Bore



OPTIMUM Opti-Turn Bench Lathe - Mini TU-1503V



Front View



Left View



Rear View



Control Switches



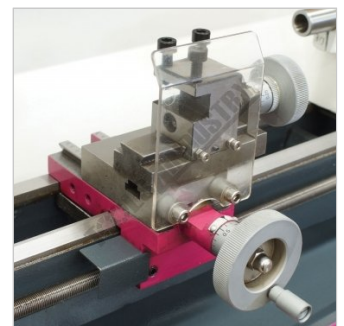
Variable Speed Controls



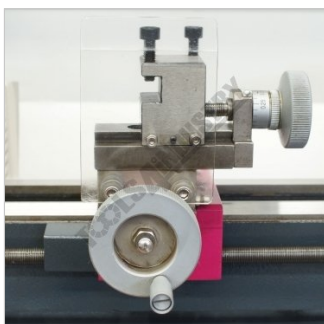
Engage / Disengage Feed Dial



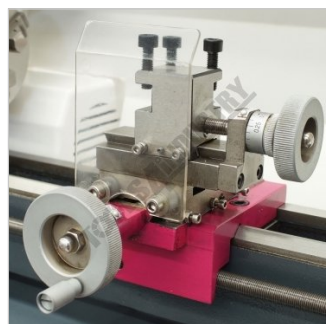
Chuck Guard



Saddle Left View



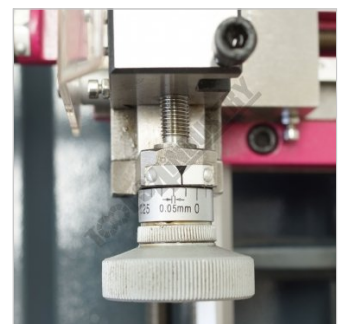
Saddle Front View



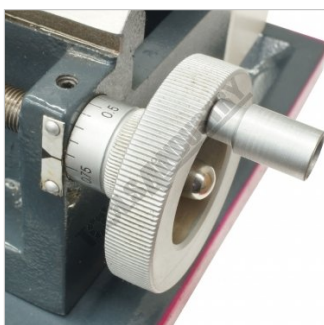
Saddle Right View



Swivel Compound Slide



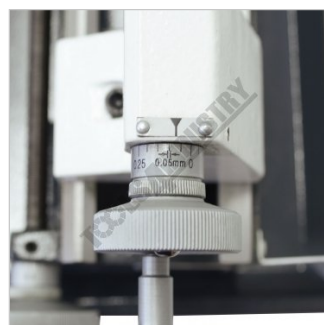
Compound Slide Hand Wheel



Saddle Hand Wheel



Tailstock



Tailstock Hand Wheel



Bed

OPTIMUM Opti-Turn Bench Lathe - Mini TU-1503V



End View



Parts

Description

Ideal for the model maker machining miniature parts

Small in size but packed full of features, this miniature lathe could provide the perfect introduction to those wanting to start metal turning for the first time.

The machine is small enough to fit into the corner of the workshop and light enough to be truly portable. The construction is predominantly from cast iron and steel and the capacities, 150mm diameter and 300mm between centres, are surprisingly large for a machine of this overall size.

Features such as the electric variable speed control, manual or powered leadscrew feed and an extensive range of accessories. The lathe comes supplied with 80mm diameter three jaw self-centring chuck, tailstock centre and service tools.

Features

- Electronic infinitely variable speed 160-3000rpm
- Ribbed prism bed made of grey cast iron
- Inductively hardened and ground bed guideways
- Spindle nose accuracy 0.015mm
- 3 Jaw chuck running accuracy 0.05mm
- Forward & reverse spindle direction switch
- Automatic longitudinal feed
- 2 stepped V-belt drive pulley
- Conveniently mounted safety emergency stop switch
- Includes a set of change gears for metric thread cutting
- Cross slide & bed length are designed to fit Optimum DRO scales

Includes

- Change gears for metric thread cutting
- Chuck guard
- Toolpost guard
- Dead Centre
- 3-jaw chuck with reversible jaws
- Swarf tray
- Rear splash guard

OPTIMUM Opti-Turn Bench Lathe - Mini TU-1503V

Specifications

ORDER CODE	L685
MODEL	TU-1503V
Swing Over Bed (mm)	150
Distance Between Centres (mm)	300
Spindle Bore (mm)	11
Swing In Gap (mm)	~
Swing Over Cross-slide (mm)	82
Digital Readout System Fitted	Optional
Quick Change Toolpost Fitted	Optional
Leadscrew Covers Fitted	~
Taper Turning Attachment	~
Coolant System	~
Tool Height To Suit (mm)	8
Centre Height (mm)	75
Spindle Nose Size or Type	Fixed
Bed Width (mm)	70
Headstock Spindle Taper (MT)	1
Tailstock Taper (MT)	1
Cross Slide Travel (mm)	55
Compound Slide Travel (mm)	40
Leadscrew Type	Metric
Metric Cross Feed (X-Axis) (mm/rev)	~
Imperial Cross Feed (X-Axis) (inch/rev)	~
Metric Longitudinal Feed (Z-Axis) (mm/rev)	0.05 - 0.1
Imperial Longitudinal Feed (Z-Axis) (inch/rev)	~
Metric Thread Steps & Pitch (No. / mm)	8 (0.5 - 1.5)
Imperial Thread Steps & TPI (No. / TPI)	~
3 Jaw Chuck Diameter (mm)	80
4 Jaw Chuck Diameter (mm)	Optional
Spindle Steps / Speeds (No. / rpm)	Variable (160 - 3000)
Motor Power (kW / hp)	0.45 / 0.6
Voltage / Amperage (V / amp)	240 / 10
Nett Weight (kg)	26