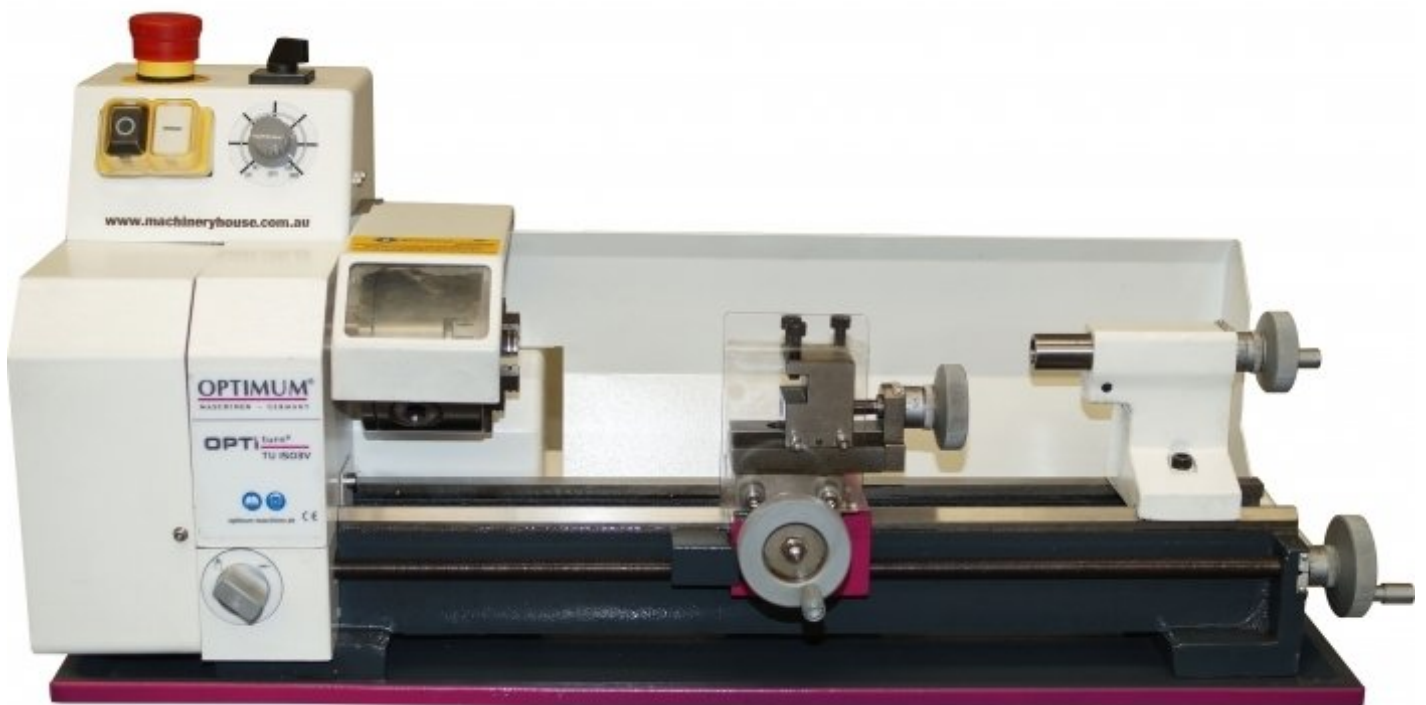


**OPTIMUM TU-1503V**

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



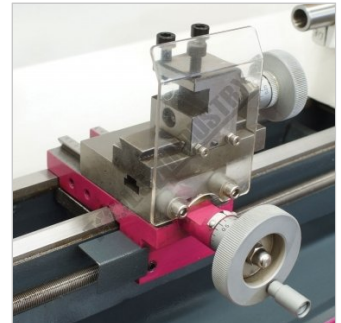
Variable Speed Controls



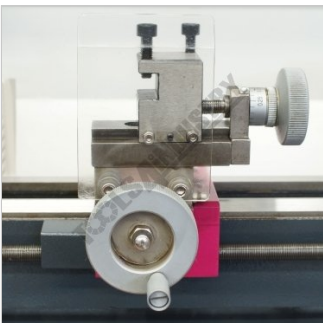
Engage / Disengage Feed Dial



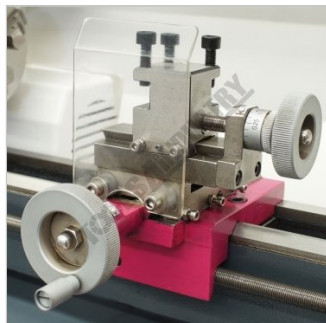
Chuck Guard



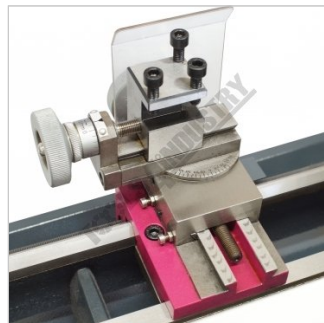
Saddle Left View



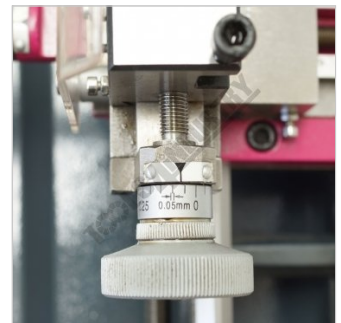
Saddle Front View



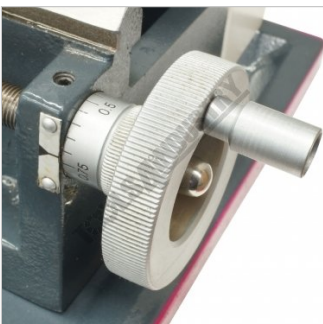
Saddle Right View



Swivel Compound Slide



Compound Slide Hand Wheel



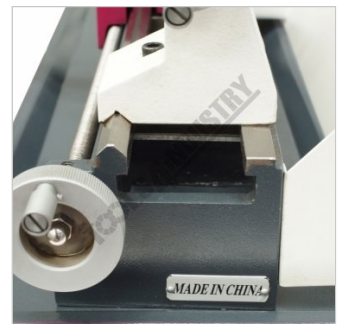
Saddle Hand Wheel



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**

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