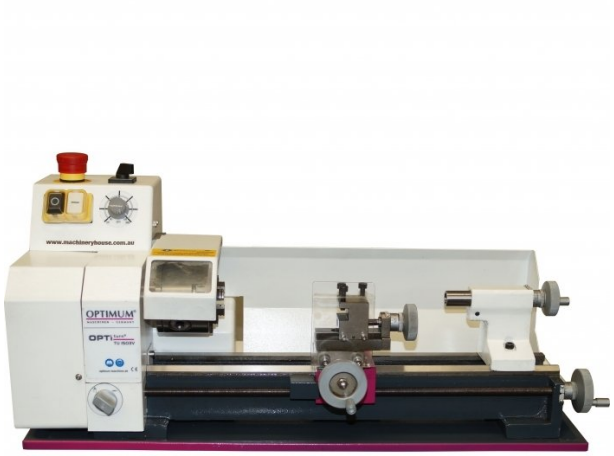
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Product Brochure For L685

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

Ø150 x 300mm Turning Capacity - Ø11mm Spindle Bore
Electronic Variable Speeds 160 ~ 3000rpm



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

OPTIMUM®

1 YEAR WARRANTY

10A PLUG 240V

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

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Product Brochure For L685

- 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

Specific Features


Front View


Left View



Rear View



Control Switches

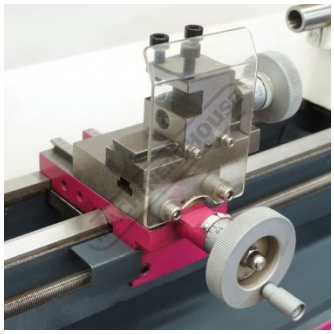


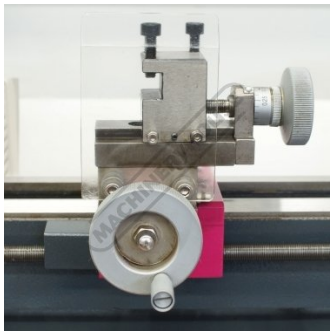
Variable Speed Controls

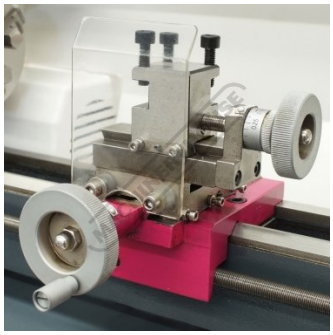

Engage / Disengage Feed Dial

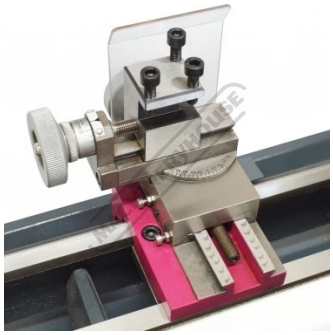


Chuck Guard


Saddle Left View


Saddle Front View

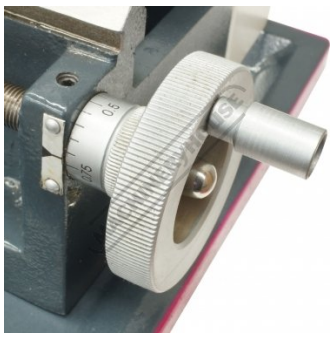

Saddle Right View


Swivel Compound Slide

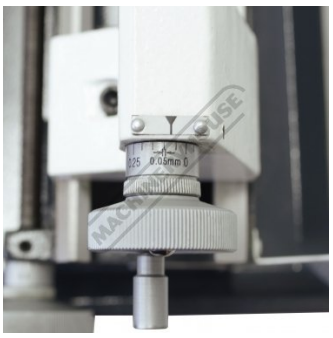

Compound Slide Hand Wheel

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Product Brochure For L685


Saddle Hand Wheel


Tailstock


Tailstock Hand Wheel



Bed


End View


Parts

Recommended Accessories

L6855
4 Jaw Independent Lathe Chuck



L6857
Lathe Steady - Travelling



L6856
Lathe Steady - Fixed



D695
3-Axis Optimum Digital Readout Counter - 1µm



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Product Brochure For L685

D694
1500mm Optimum Magnetic Digital Readout Scale



D697
Optimum Magnetic Digital Readout Reader Head



P235
Coolant Pump & Tank



L0085
Carbide Turning Tool Set - 11 piece



D440
1MT x JT6 Drill Chuck Arbor



C289
Heavy Duty Drill Chuck - Keyed Type



C299
Safety Lock Drill Chuck - Keyless Type



L276
Mini Vertical Mill Slide



D1272
Metric 135º Precision HSS M35 COBALT Drill Set - 25 Piece



D1282
Imperial 135º Precision HSS M35 COBALT Drill Set - 29 Piece



S090A
Soluble Metal Cutting Fluid - 1 Litre



S090
Soluble Metal Cutting Fluid - 5 Litre



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Product Brochure For L685

S076
Cutting Tool Lubricant Fluid - 500ml



S077
Drilling, Tapping & Cutting Tool Lubricant Spray - 400g



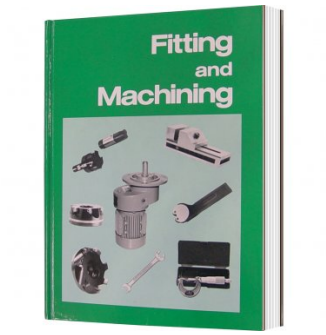
S075
Cutting Tool Lubricant Paste - 200g



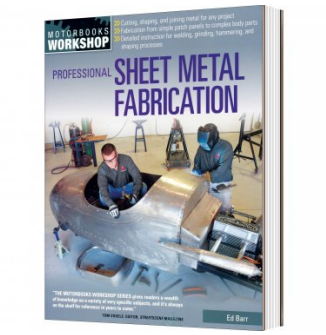
S074
Cutting Tool Lubricant Paste - 500g



L341
Fitting and Machining Technical Book



L3455
Professional Sheet Metal Fabrication Book



L300
Magnetic Swarf Remover



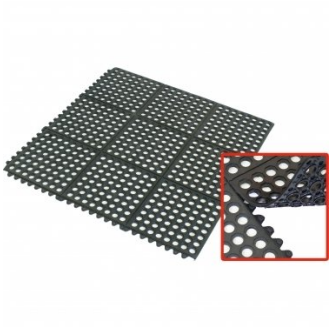
M9991
Magnetic Floor Sweeper



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O000
SpillFix Universal Organic Absorbent



O043
Rust & Corrosion Preventive



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Product Brochure For L685

O042
General Purpose Lubricant & Corrosion Inhibitor



O040
Rust & Corrosion Preventive



O044
Rust & Corrosion Preventive



T773
Industrial Mobile Tooling Cabinet Workstation

