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Product Brochure For K146

Opti-Turn Lathe & Mill Drill Combination Package Deal - TU-2506V-16M

250 x 550mm - (Limited Stock Only Available In Perth)
Included BF-16AV Mill Head



ORDER CODE:	K146
MODEL:	TU-2506V-16M
KIT Includes:	TU-2506V & BF-16AV
Lathe Specifications:	LATHE SPECIFICATIONS
Tool Height To Suit (mm):	12
Distance Between Centres (mm):	550
Swing Over Bed (mm):	250
Swing Over Cross Slide (mm):	150
Centre Height (mm):	125
Spindle Bore (mm):	26
Spindle Nose Type:	Fixed
Bed Width (mm):	135
Headstock Taper (MT):	4
Tailstock Taper (MT):	2
Cross Slide Travel (mm):	110
Compound Slide Travel (mm):	70
Leadscrew:	Metric
Longitudinal Feed (Z-Axis) (mm/rev):	0.07 - 0.4
Cross Feed (X-Axis):	~
Metric Thread Range (mm):	0.2 - 3.5
Imperial Thread Range (TPI):	8 - 56
Three Jaw Chuck Size (mm):	125
Four Jaw Chuck Size:	Optional
Spindle Speeds (No. / rpm):	Variable (150 - 2500)
Motor Power - Lathe (kW / hp):	1.2 / 1.6
Voltage / Amperage - Lathe (V / amp):	240 / 10
Mill Specifications:	MILL SPECIFICATIONS
Spindle Taper (MT):	3
Column Type:	Dovetail
Swivel Head (Left ~ Right) (± Deg):	±90
Vertical Travel (Z-Axis) (mm):	210
Drilling Capacity (mm):	16
End Milling Capacity (mm):	20
Face Milling Capacity (mm):	63
Spindle Speeds Vertical (No. / rpm):	Variable (100-3000)
Motor Power - Mill (kW / hp):	0.5 / 0.66
Voltage / Amperage - Mill (V / amp):	240 / 10
Nett Weight (kg):	225

Description

TU-2506V-16M Combination Lathe & Mill-Drill consist of TU-2506V bench lathe & BF-16AV mill head

A variable speed Lathe & Mill-Drill combination machine of very modern design with many convenient facilities, ideal for the enthusiastic model engineer or with limited space in the work shop. A very rigid cast iron bed with ground slide-ways gives a high level of precision.

Featuring as standard on the lathe is a longitudinal power feed, quick lock tailstock, both metric and imperial thread cutting capability and also including a milling / drilling head to turn this machine into a very versatile & capable small all round machine. This machine is suitable for bench mounting, but recommended the addition of the optional stand so not to take up valuable bench space. We are sure this machine will please the model engineer.

Features

- LATHE: TU-2506V
- Ideal for small workshops
- Electronic infinitely variable speed 150-2500rpm
- Easy to read digital readout speed display
- Ribbed prism bed made of grey cast iron
- Inductively hardened and ground bed guideways

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- Spindle nose accuracy 0.009mm
- 3 Jaw chuck running accuracy 0.04mm
- Forward & reverse spindle direction switch
- Automatic longitudinal feed
- Metric & Imperial thread cutting
- Enclosed feed and threading gearbox

- MILL: BF-16AV
- Electronic infinitely variable speed (100-3000rpm)
- Tilting head to ±90º from vertical
- 3MT spindle taper
- Adjustable dovetail slideway on Z-Axis
- Heavy duty cast iron body and base for better stability
- 2-speed gearbox (high/low) drive system to maximise torque
- IP54 with low-voltage release switch
- Scale collars for all axis are adjustable
- Adjustable drill length stop
- Metric dial graduations

- Note: The lathe rear splash tray is required to be removed to fit Mill Head Attachment.

Includes

- LATHE: TU-2506V
- 125mm 3-jaw chuck
- Change gears for metric & Imperial thread cutting
- Chuck guard
- Toolpost guard
- Dead Centre
- 3-jaw chuck with reversible jaws
- Swarf tray
- Rear splash guard

- MILL: BF-16AV
- 3MT x JT6 drill chuck arbor
- Safety cutter guard
- Bracket kit for optional digital readout.

Specific Features


Front View


Lathe Toolpost Removed For Milling Application


Left View Without Toolpost


TU 2506V Front View with Optional Stand



TU 2506V Lathe Shown with Optional Stand


TU 2506V Left View with Optional Stand


TU 2506V Safety Chuck Guard


TU 2506V Lathe Controls

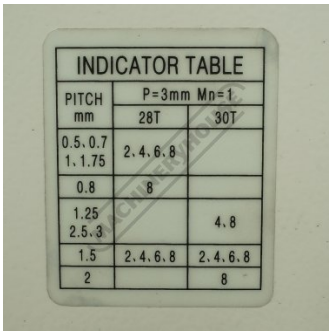
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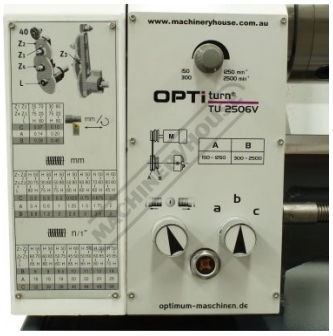
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TU 2506V Digital Speed Readout



TU 2506V Indicator Table



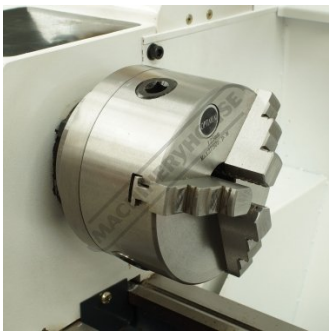
TU 2506V Spindle & Gearbox Controls

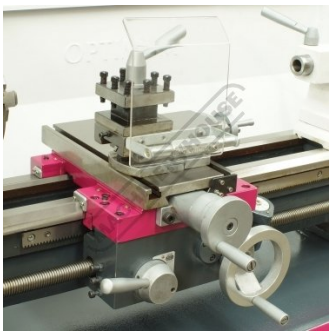


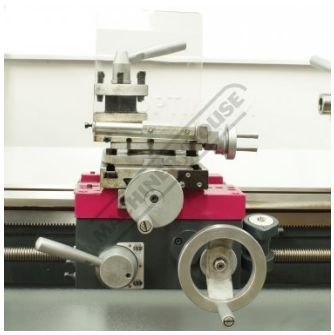
TU 2506V Feed and Thread Gearbox

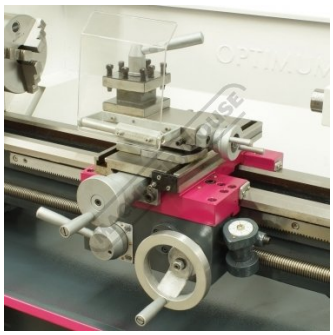


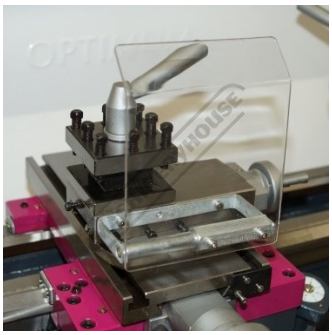
TU 2506V Variable Speed Dial

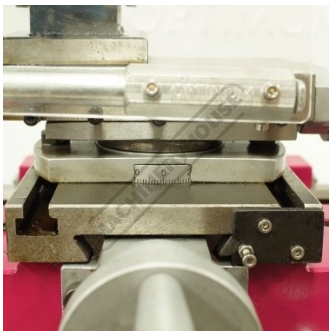

TU 2506V 3 Jaw Chuck

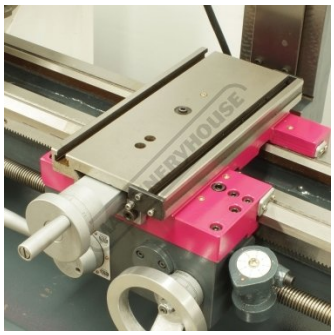

TU 2506V Saddle Left View


TU 2506V Saddle Front View


TU 2506V Saddle Right View

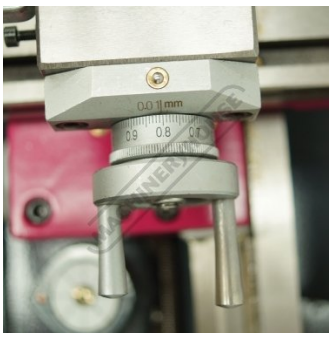

TU 2506V Toopost and Safety Guard

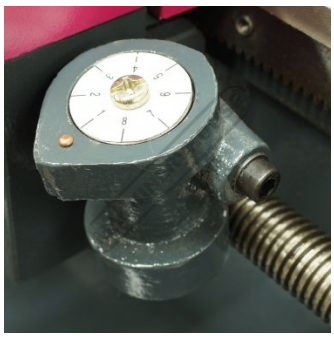

TU 2506V Compound Slide


TU 2506V Mill Table


TU 2506V Cross Feed Hand Wheel


TU 2506V Saddle Hand Wheel


TU 2506V Compound Slide Hand Wheel


TU 2506V Thread Chasing Dial

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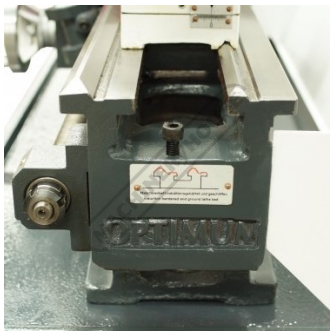

TU 2506V Feed Engagement Lever


TU 2506V Tailstock


TU 2506V Tailstock Quil


TU 2506V Tailstock Adjustment


TU 2506V Tailstock Quill Hand Wheel


TU 2506V Induction Hardened and Ground Bed


TU 2506V Lathe Parts


BF 16AV Mill Head


BF 16AV Control Panel with Variable Spindle Speed


BF 16AV Safety Guard


BF 16AV Quill Handle



BF 16AV High Low Geared Drive


BF 16AV Z-Axis Scale


BF 16AV Z-Axis Hand Wheel


BF 16AV Quill Lock


BF 16AV Swivel Head Lock

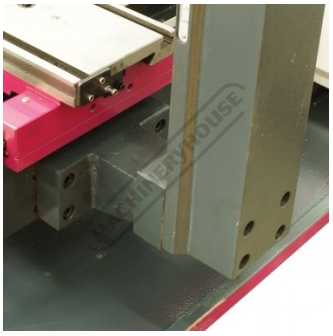
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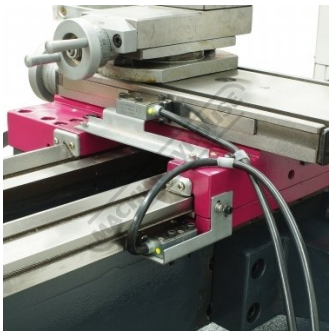

BF 16AV Drawbar


BF 16AV Dovetail Column


BF 16AV Mill Attachment Bracket


Rear View


Shown with Optional Stand and DRO System


Shown with Optional 2 Axis DRO Scales


Shown with Optional Mill Z Axis DRO Scale

Recommended Accessories

L690
Lathe Stand



D695
3-Axis Optimum Digital Readout Counter - 1µm



D694
1500mm Optimum Magnetic Digital Readout Scale



L0099
Lathe Turning Tool Kit - 7 piece Insert Type



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Product Brochure For K146

L450
Lathe Turning Tool Kit - 3 piece Insert Type



L456
Lathe Threading Tool Kit - Insert Type



L464
Professional Lathe Parting Tool Kit - Insert Type



L073
Parting Tool Holder - Suits 1/2" HSS Tool Bit



L0007
Part Off Blade - High Speed Steel Bit



C0945
Clamp Kit 58 piece - Workshop Series



D442A
2MT x JT3 Drill Chuck Arbor



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



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



D126
Metric 135º Precision HSS M35 COBALT Drill Set - 170 Pieces



C050
2MT Live Centre



L076
Knurling Tool Holder Kit



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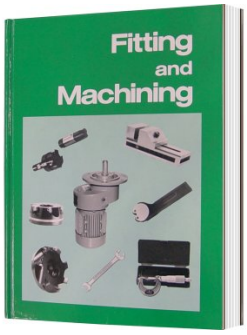
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Product Brochure For K146

P235
Coolant Pump & Tank



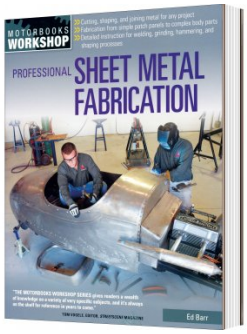
L341
Fitting and Machining Technical Book



L345
Handy Workshop Tips & Techniques - 1st Edition



L3455
Professional Sheet Metal Fabrication Book



L280
Quick Change Toolpost



L280A
Quick Change Toolpost Holder - Std



L277
Vertical Mill Slide



M9991
Magnetic Floor Sweeper



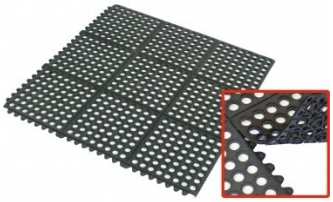
L300
Magnetic Swarf Remover



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



S090A
Soluble Metal Cutting Fluid - 1 Litre



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Product Brochure For K146

S090
Soluble Metal Cutting Fluid - 5 Litre



S076
Cutting Tool Lubricant Fluid - 500ml



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



S074
Cutting Tool Lubricant Paste - 500g



D720C
200mm Easson Digital Readout Scale



D728
600mm Easson Digital Readout Scale



C926
Collet & Chuck Set - 20 Piece



C922B
Collet & Chuck Set - 8 Piece



C090
Clamp Kit 58 piece - Workshop Series



C0948
Mini Clamp Kit 10 piece - Workshop Series



M3301
Metric HSS Slot Drill & End Mill Set - 10 Piece



M3321
Imperial HSS Slot Drill & End Mill Set - 10 Piece



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M3280
13mm HSS End Mill Long Series



M182
Precision Boring Head Kit



M192
Boring Head Shank



M180
Boring Bar Set - 9 piece



M250
Parallel Set - 8 Piece



M530
Universal Milling Kit - 3 Piece with INSERTS



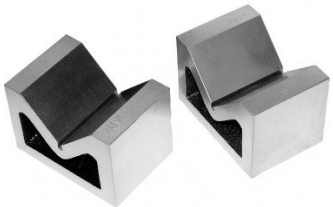
M528
Face Mill 90º - Positive Rake



L066
KYOCERA Carbide Inserts - Milling



V004
Cast Iron Vee Block



R001
Rotary Table



R0014
Tilting Rotary Table



O043
Rust & Corrosion Preventive



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Product Brochure For K146

O042
General Purpose Lubricant & Corrosion Inhibitor



O044
Rust & Corrosion Preventive

