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Product Brochure For K149

Opti-Turn Lathe & Mill Drill Combination Package Deal - TU-3008G-20M

300 x 700mm

Included BF-20V Mill Head



Package Deal

Ex GST	Inc GST
$4,590.00	$5,049.00

Package Contents - **SAVE $121.00 (Inc)**	
1 x L691 - Opti-Turn Bench Lathe TU-3008G	**$4,125.00**
1 x M647 - Opti-Mill Head Attachment - Geared & Tilting Head BF-20V	**$1,045.00**
Normal Price (Inc):	**$5,170.00**

ORDER CODE:	K149
MODEL:	TU-3008G-20M
KIT Includes:	TU-3008G & BF-20V
Lathe Specifications:	LATHE SPECIFICATIONS
Tool Height To Suit (mm):	16
Distance Between Centres (mm):	700
Swing Over Bed (mm):	300
Swing Over Cross Slide (mm):	190
Centre Height (mm):	150
Spindle Bore (mm):	38
Spindle Nose Type:	D1-4
Bed Width (mm):	180
Headstock Taper (MT):	5
Tailstock Taper (MT):	3
Cross Slide Travel (mm):	150
Compound Slide Travel (mm):	65
Leadscrew:	Metric
Longitudinal Feed (Z-Axis) (mm/rev):	0.085 - 0.83
Cross Feed (X-Axis):	0.01 ~0.10
Metric Thread Range (mm):	0.2 - 3.5
Imperial Thread Range (TPI):	8 - 56"
Three Jaw Chuck Size (mm):	160
Four Jaw Chuck Size:	Optional
Spindle Speeds (No. / rpm):	12 (125 - 2400)
Motor Power - Lathe (kW / hp):	1.5 / 2
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):	280
Drilling Capacity (mm):	16
End Milling Capacity (mm):	20
Face Milling Capacity (mm):	63
Spindle Speeds Vertical (No. / rpm):	Variable (90-3000)
Motor Power - Mill (kW / hp):	0.85 / 1.13
Voltage / Amperage - Mill (V / amp):	240 / 10
Nett Weight (kg):	383

Description

TU-3008G-20M Combination Lathe & Mill-Drill consist of TU-3008G bench lathe & BF-20V mill head

This new TU-3008G model geared head lathe of very modern design has many convenient facilities ideal for the enthusiastic model engineer for small component manufacturer. A very rigid 180mm cast iron bed width, induction hardened and ground slideways gives a high level of precision turning. The lathe capacity is 700mm between the centres and 300mm swing over the bed and with a generous 38mm spindle bore allowing larger stock to be placed through the headstock. The workhorse that drives this lathe has an upgraded powerful 2hp (1.5kW) motor providing smooth running.

Other very useful features included are cross and longitudinal power feeds that's not normally found of small conventional lathes, quick lock tailstock and both metric and imperial thread cutting, ranging from 8-56 tpi or 0.2-3.5mm pitch. Also included are a 4-way indexing tool post with 16mm tool shank capacity, fine adjustment on the tailstock for taper turning and the rear splash guard. A 160mm 3-jaw chuck with reverse jaws is also supplied.

Features

- LATHE: TU-3008G
- Geared headstock for quick change of 12 spindle speeds 125-2400rpm
- Ribbed prism bed made of grey cast iron
- Inductively hardened and ground bed guideways
- Automatic cross & longitudinal power feeds
- Spindle nose accuracy 0.009mm
- 3 Jaw chuck running accuracy 0.04mm
- D1-4 camlock spindle for quick chuck changes
- Forward & reverse spindle direction switch
- Oils sight glass on head-stock & gearbox
- Change gears for metric and imperial thread cutting
- Enclosed feed and threading gearbox
- Belt cover with tamper proof safety micro switch
- Heavy duty rotating safety chuck guard with micro switch
- Sliding tool post safety guard
- Cross slide and bed length designed to adapt Optimum DRO scales

- MILL: BF-20V
- Electronic infinitely variable speed
- 3MT spindle taper
- Dovetail vertical Z-Axis
- Digital readout speed display
- Work light mounted underneath mill head
- Digital depth display with zero reset for quill
- Tilting head to ± 90° from vertical
- 2 speed gearbox (high / low) drive
- Forward and reverse spindle switch
- Scale collars for all Axis are adjustable
- Adjustable dovetail slideway on Z-Axis
- 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-3008G
- 160mm 3 jaw chuck with reverse jaws
- Change gears for metric & Imperial thread cutting
- Chuck guard
- Toolpost guard
- 2 dead centres
- 3-jaw chuck with reversible jaws
- Swarf drip tray
- Rear splash guard

- MILL: BF-20V
- 3MT x JT6 drill chuck arbor
- Safety cutter guard
- Bracket kit for optional digital readout.

Specific Features



Front View



Left View



Right View with Mill Table Ready



Front View with Mill Table Ready



Left View with Mill Table Ready



Front View with Mill Head Tilted



Right View with Mill Head Tilted



Mill Head Rear View



Mill Head Left View



Mill Head Right View



Shown on Optional Stand Right View



Shown on Optional Stand Front View



Shown on Optional Stand Left View



Shown on Optional Stand with Mill Table Ready



Shown on Optional Stand with Mill Table Ready Front View



Shown on Optional Stand with Mill Table Ready Left View

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Product Brochure For K149


Shown on Optional Stand with Mill Table Ready Rear View



Lathe


Top View


Front View


Shown with Optional Stand L690 Top View


Shown with Optional Stand L690 Left View


Safety Chuck Guard


Safety Chuck Guard Open Position

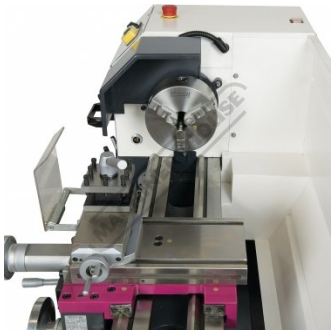


Headstock Controls



Spindle Speed Levers and Speed Chart

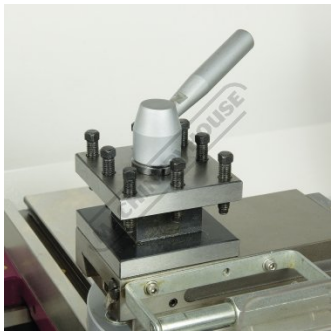

Headstock Controls


Top View Saddle and Chuck


Spindle Direction and Emergency Stop Switches

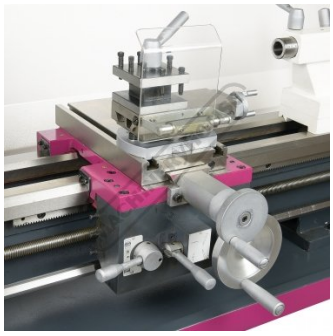

On Off Switch

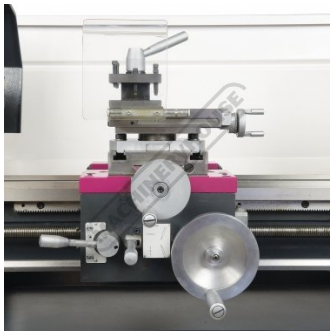

Through Spindle

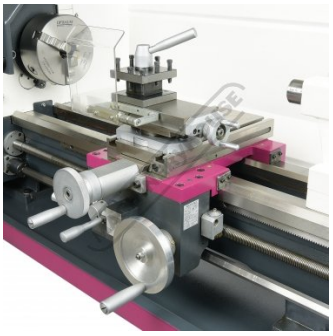

4 Way Toolpost

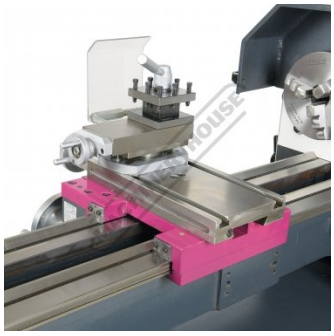
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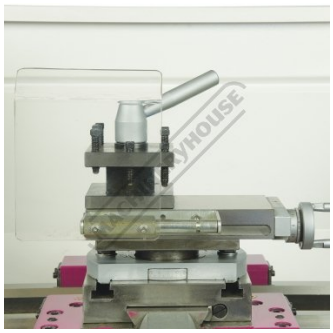
Product Brochure For K149

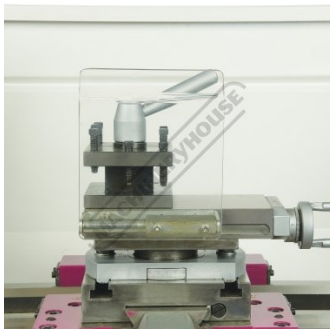

Saddle Left View

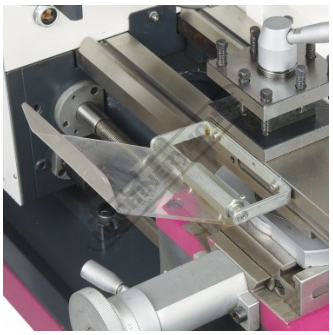

Saddle Front View

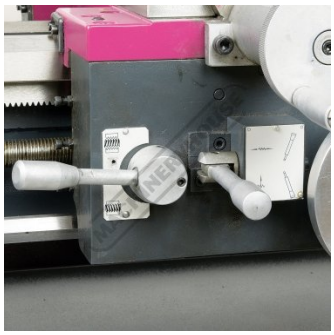

Saddle Right View


Saddle Rear View

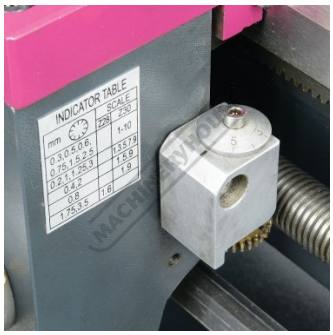

Safety Cutter Guard Left


Safety Cutter Guard Right

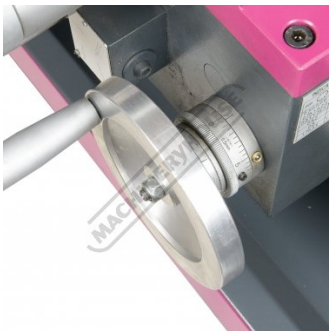

Safety Cutter Guard Tilted Down

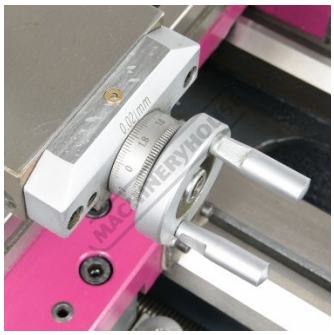

Feed and Thread Engagement Levers


Swivel Compound Slide



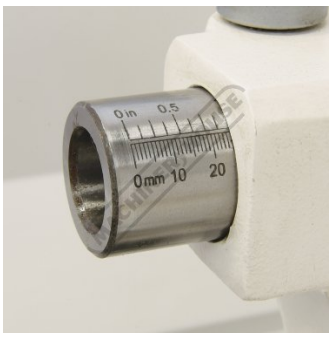
Thread Chasing Dial


Saddle Handwheel Graduations


Compound Slide Hand Wheel


Cross Feed Hand Wheel Graduations


Tailstock



Tailstock Quill Graduations

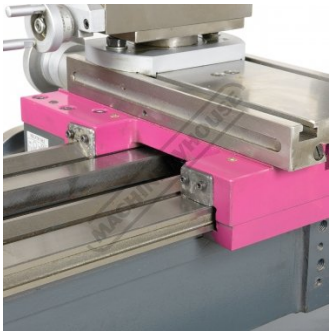

Tailstock Horizontal Adjustment

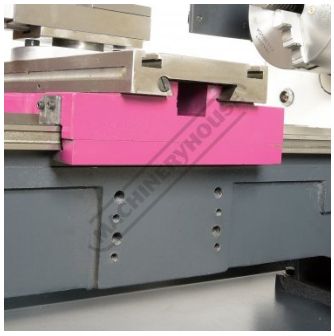
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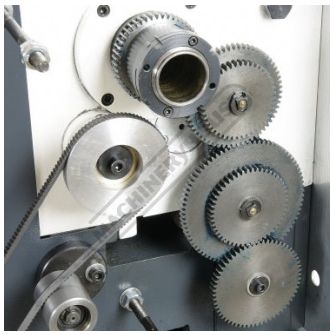
Product Brochure For K149


Tailstock Hand Wheel


Ground and Hardened Bed


Slides Ready For Mounting of DRO Scales


Mounting Point for Optional Milling Head


Change Gears


Parts Included


Mill Head



Safety Cutter Guard



Digital Readout For Quill Depth



Control Panel


Quill Fine Adjustment


Drawbar


Quill Handle



High Low Handle


Head Height Scale


Head Height Adjustment Handle


Tilt Head Adjustment


Dovetail Column


Light

Recommended Accessories

L690
Lathe Stand



C252
4 Jaw Independent Lathe Chuck



L6917
Lathe Steady - Travelling



L6916
Lathe Steady - Fixed



D695
3-Axis Optimum Digital Readout Counter - 1µm



D694
1500mm Optimum Magnetic Digital Readout Scale



L017
Right Hand Turning Tool Holder



L018
Left Hand Turning Tool Holder



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Product Brochure For K149

L0077
Lathe Turning Tool Kit - 7 piece Insert Type



L451
Lathe Turning Tool Kit - 3 piece Insert Type



L457
Lathe Threading Tool Kit - Insert Type



L465
Professional Lathe Parting Tool Kit - Insert Type



C0945
Clamp Kit 58 piece - Workshop Series



D443A
3MT 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



C052
3MT Live Centre



L076
Knurling Tool Holder Kit



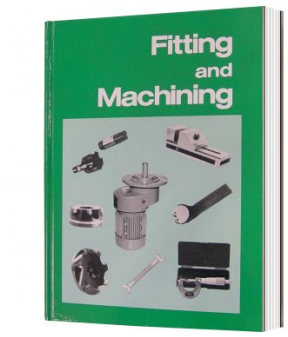
P235
Coolant Pump & Tank



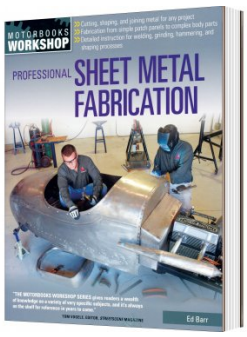
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Product Brochure For K149

L341
Fitting and Machining Technical Book



L3455
Professional Sheet Metal Fabrication Book



L280
Quick Change Toolpost



L280A
Quick Change Toolpost Holder - Std



L277
Vertical Mill Slide



M9991
Magnetic Floor Sweeper



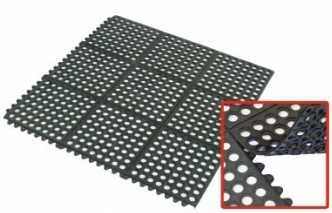
L300
Magnetic Swarf Remover



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



S090A
Soluble Metal Cutting Fluid - 1 Litre



S090
Soluble Metal Cutting Fluid - 5 Litre



S076
Cutting Tool Lubricant Fluid - 500ml



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Product Brochure For K149

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



S075
Cutting Tool Lubricant Paste - 200g



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



M3280
13mm HSS End Mill Long Series



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Product Brochure For K149

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



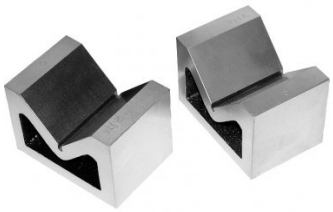
M528
Face Mill 90º - Positive Rake



L066
KYOCERA Carbide Inserts - Milling



V004
Cast Iron Vee Block



R001
Rotary Table



R0014
Tilting Rotary Table



O000
SpillFix Universal Organic Absorbent



O043
Rust & Corrosion Preventive



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Product Brochure For K149

O042
General Purpose Lubricant & Corrosion Inhibitor



O040
Rust & Corrosion Preventive



O044
Rust & Corrosion Preventive

