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Product Brochure For L563D

Centre Lathe - AL-542

400 x 1000mm Turning Capacity - 52mm Bore

Includes Digital Readout System & Quick Change Toolpost



ORDER CODE:	L563D
MODEL:	AL-542
Swing Over Bed (mm):	400
Distance Between Centres (mm):	1000
Spindle Bore (mm):	52
Swing In Gap (mm):	550
Swing Over Cross-slide (mm):	264
Digital Readout System Fitted:	Yes
Quick Change Toolpost Fitted:	Yes
Leadscrew Covers Fitted:	~
Taper Turning Attachment:	~
Coolant System:	Yes
Tool Height To Suit (mm):	16
Centre Height (mm):	200
Spindle Nose Size or Type:	D1-5 Camlock
Bed Width (mm):	206
Headstock Spindle Taper (MT):	6
Tailstock Taper (MT):	3
Cross Slide Travel (mm):	178
Compound Slide Travel (mm):	90
Leadscrew Type:	Metric
Metric Cross Feed (X-Axis) (mm/rev):	0.027 - 0.165
Imperial Cross Feed (X-Axis) (inch/rev):	~
Metric Longitudinal Feed (Z-Axis) (mm/rev):	0.054 - 0.372
Imperial Longitudinal Feed (Z-Axis) (inch/rev):	~
Metric Thread Steps & Pitch (No. / mm):	48 (0.4 - 7.0)
Imperial Thread Steps & TPI (No. / TPI):	39 (4 - 120)
3 Jaw Chuck Diameter (mm):	200
4 Jaw Chuck Diameter (mm):	200
Spindle Steps / Speeds (No. / rpm):	16 (50 - 2000)
Motor Power (kW / hp):	2.4 / 3.2
Voltage / Amperage (V / amp):	415
Nett Weight (kg):	880

Features

- 2 Axis digital readout system
- Quick change toolpost with 4 holders
- Gear drive headstock for quick change of spindle speeds
- Cast iron stand increasing rigidity and reducing vibration
- Precision 'V'-beds are hardened and ground, incorporating a rigid webbed casting
- Low voltage work light
- Foot operated spindle brake with safety cut out switch
- Change gears for metric and imperial thread cutting
- Oil sight glass for head stock and gearbox
- Adjustable taper roller bearings support the spindle
- Overload clutch mechanism on auto power feed
- Micro-adjustable length-stop on bed-way for accurate repetitive operation
- 2.4kW / 3.2HP 415V motor 16-speed(50-2000rpm)
- Inching button is incorporated on the control panel for convenient spindle speed selection
- Enclosed quick action gearbox for thread cutting and auto feeding
- Powered longitudinal and cross feeds
- D1-5 camlock spindle for quick chuck changes and safe reverse-direction turning. ISO standard
- Removable gap bed-way for larger diameter jobs
- Dual calibrated dials (except for saddle hand-wheel)
- Chuck & change gear guards are fitted with micro switches
- Coolant system with flexible hose
  Slide out swarf tray

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Includes

- 2 Axis digital readout system
- Quick change toolpost with 4 holders
- 200mm 3-jaw chuck with reverse jaws
- 200mm 4-jaw chuck
- Face plate
- Fixed steady
- Travelling steady
- Change gears
- Dead centres
- Thread-chasing dial
- Work light
- Cast iron stand
- Foot brake
- Rear splash guard & swarf tray
- Tool box
- Instruction booklet

Specific Features


Digital Read Out


Chuck Guard

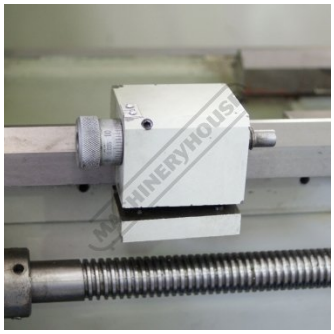

Quick Change Toolpost


Head Stock Controls


Speed Levers


Gearbox And Thread And Feed Charts


2 Speed Switch


Saddle Stop


Saddle

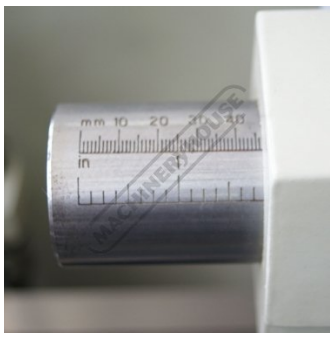

3 Point Travelling Steady


2 Point Fixed Steady


Tailstock

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Product Brochure For L563D


Tailstock Quill


Saddle Controls


Cross Feed Dial



Thread Chasing Dial


Worklight And Coolant Nozzle


Induction Hardened Bedways

Recommended Accessories

G660
Lathe Leadscrew Cover Kit

G659
Lathe Leadscrew Cover Kit - Concertina

L0077
Lathe Turning Tool Kit - 7 piece Insert Type

L0078
Carbide Inserts - General Purpose









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Product Brochure For L563D

L451
Lathe Turning Tool Kit - 3 piece Insert Type



L465
Professional Lathe Parting Tool Kit - Insert Type



L457
Lathe Threading Tool Kit - Insert Type



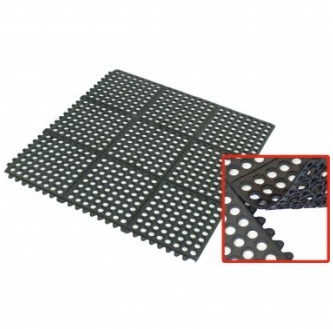
C052
3MT Live Centre



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



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



S075
Cutting Tool Lubricant Paste - 200g



S074
Cutting Tool Lubricant Paste - 500g



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Product Brochure For L563D

O000
SpillFix Universal Organic Absorbent



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



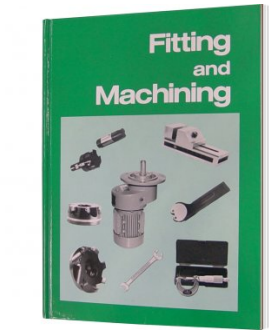
O040
Rust & Corrosion Preventive



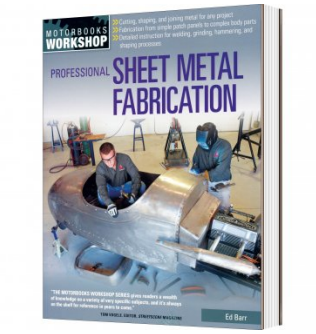
O044
Rust & Corrosion Preventive



L341
Fitting and Machining Technical Book



L3455
Professional Sheet Metal Fabrication Book



L076
Knurling Tool Holder Kit



C290
Heavy Duty Drill Chuck - Keyed Type



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



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Product Brochure For L563D

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



C980
5C Collet Lathe Adaptor



L277
Vertical Mill Slide

