

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



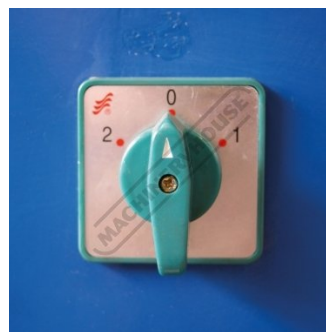
Head Stock Controls



Speed Levers



Gearbox And Thread And Feed Charts



2 Speed Switch



Saddle Stop



Saddle



3 Point Travelling Steady

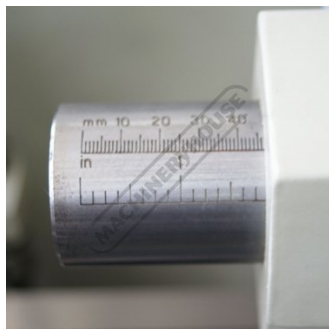


2 Point Fixed Steady



Tailstock

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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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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



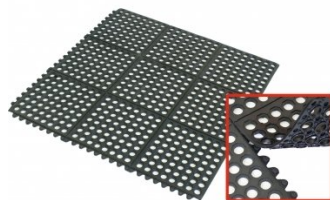
M800

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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O000

SpillFix Universal Organic Absorbent



O043

Rust & Corrosion Preventive



O042

General Purpose Lubricant & Corrosion Inhibitor



O040

Rust & Corrosion Preventive



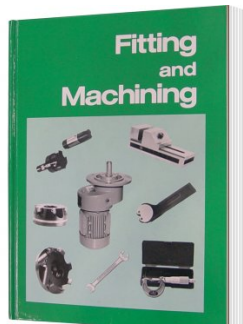
O044

Rust & Corrosion Preventive



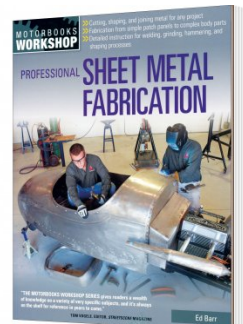
L341

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 135° Precision HSS Drill Set - 25 Piece



D1282

Imperial 135° Precision HSS Drill Set - 29 Piece



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D126

Metric 135° Precision HSS Drill
Set - 170 Pieces



C980

5C Collet Lathe Adaptor



L277

Vertical Mill Slide

