

Product Brochure For L564E

Centre Lathe - AL-356

Ø356 x 1000mm Turning Capacity - Ø51mm Spindle Bore
Includes Digital Readout System & Quick Change Toolpost



Ex GST **Inc GST**
\$9,870.00 **\$11,350.50**

ORDER CODE:	L564E
MODEL:	AL-356
Swing Over Bed (mm):	356
Distance Between Centres (mm):	1000
Spindle Bore (mm):	51
Swing In Gap (mm):	476
Swing Over Cross-slide (mm):	224
Digital Readout System Fitted:	Yes
Quick Change Toolpost Fitted:	Yes
Leadscrew Covers Fitted:	Yes
Taper Turning Attachment:	-
Coolant System:	Yes
Tool Height To Suit (mm):	16
Centre Height (mm):	178
Spindle Nose Size or Type:	D1-5 Camlock
Bed Width (mm):	187
Headstock Spindle Taper (MT):	6
Tailstock Taper (MT):	4
Cross Slide Travel (mm):	160
Compound Slide Travel (mm):	68
Leadscrew Type:	Metric
Metric Cross Feed (X-Axis) (mm/rev):	0.022 - 0.298
Imperial Cross Feed (X-Axis) (inch/rev):	~
Metric Longitudinal Feed (Z-Axis) (mm/rev):	0.078 - 1.044
Imperial Longitudinal Feed (Z-Axis) (inch/rev):	~
Metric Thread Steps & Pitch (No. / mm):	32 (0.45 - 10)
Imperial Thread Steps & TPI (No. / TPI):	20 (2-1/4 - 40)
3 Jaw Chuck Diameter (mm):	200
4 Jaw Chuck Diameter (mm):	200
Spindle Steps / Speeds (No. / rpm):	16 (35 - 1900)
Motor Power (kW / hp):	1.8 / 2.4
Voltage / Amperage (V / amp):	415
Nett Weight (kg):	650

Features

- 2 Axis digital readout system
- Quick change toolpost with 4 holders
- Concertina leadscrew cover
- Gear drive headstock for quick change of spindle speeds
- Precision 'V'-beds are hardened and ground, incorporating a rigid webbed casting
- Foot operated spindle brake with safety cut out switch
- Slide out front swarf tray for easy cleaning
- Change gears for metric and imperial thread cutting
- Oil sight glass for head stock and gearbox
- Adjustable taper roller bearings support the spindle
- 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
- Low voltage LED work light
- Slide out swarf tray

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Includes

- 2 Axis digital readout system
- Concertina leadscrew covers
- Slide out front swarf tray
- Quick change tool-post 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
- LED Work light
- Stand
- Rear splash guard & swarf tray
- Tool box
- Instruction booklet

Specific Features



2 Axis Digital Readout



Spindle Speed Selectors



Headstock Controls



Gearbox Feed Dials

 leadscrew threads:4mm	
a	30T
b	40T
LEVER	4 1 4 2 3 1 3 3
	T T R S S U R U
A D	10 8.0 7.5 6.0 5.6 4.8 4.5 3.6
B D	5.0 4.0 3.75 3.0 2.8 2.4 2.25 1.8
A C	2.5 2.0 1.875 1.5 1.4 1.2 1.125 0.9
B C	1.25 1.0 0.9375 0.75 0.7 0.6 0.5625 0.45

Metric Thread Chart

 leadscrew threads:4mm	
a	40T
b	40T
LEVER	1 2 1 3 3
	T S U R U
A D	2 1/4 3 3 3/4 4 5
B D	4 1/2 6 7 1/2 8 10
A C	9 12 15 16 20
B C	18 24 30 32 40

Imperial Thread Chart

 Cross screw threads:2.5mm	
a	30T
LEVER	OT OS OR OU
A D	1.044 0.975 0.783 0.627
B D	0.299 0.278 0.224 0.179
A C	0.522 0.487 0.392 0.313
B C	0.149 0.139 0.112 0.089
A D	0.261 0.244 0.196 0.157
A C	0.075 0.070 0.056 0.045
B C	0.131 0.122 0.098 0.078
B C	0.037 0.035 0.028 0.022

Longitudinal and Cross feed Chart

INDICATOR TABLE						
27T	mm	0.45	0.6	1.5	3.0	6.0
	scale	1/5/9				
38T	mm	0.7	3.5	8.0		
	scale	1/4/7/10				
30T	mm	1.25	2.5	5.0	10	
	scale	1/3/5/7/9/11				
0T	mm	1.0	2.0	4.0		
	scale	1/2				

Indicator Table For Thread Chasing



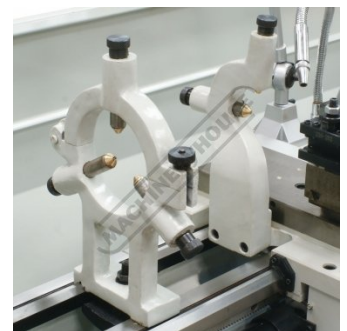
3 Jaw Chuck and Safety Guard



Quick Change Toolpost



Swivel Compound Table

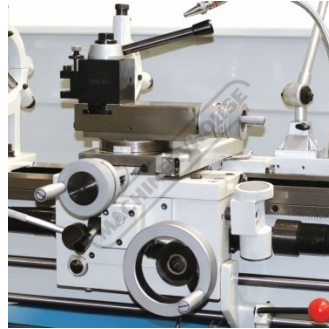


Fixed and Travelling Steadies

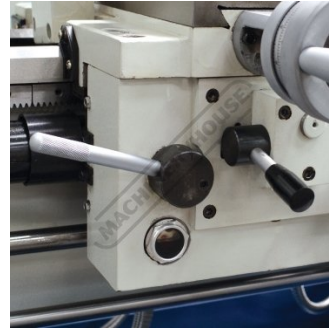
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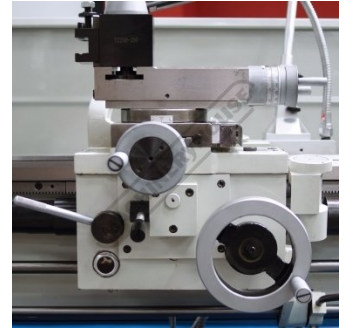
LED Work Light and Coolant Hose



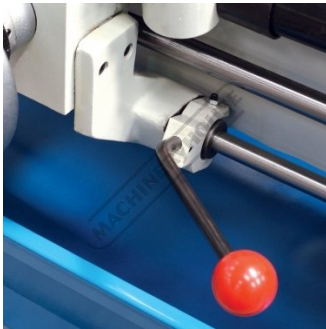
Saddle Right View



Feed And Screw Cutting Lever



Saddle Front View



Spindle Engagement Lever



Thread Chasing Dial



Cross Feed Handwheel



Saddle Feed Handwheel



Compound Slide Handle



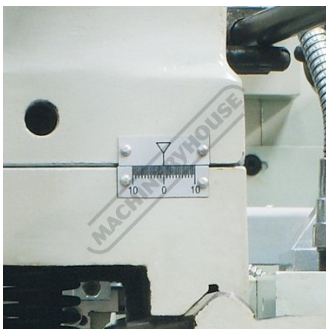
Leadscrew Covers



Tailstock



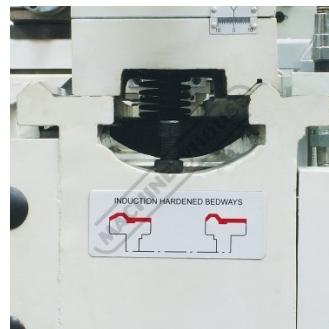
Tailstock Quill Graduations



Adjustable Tailstock



Tail Stock Feed Handwheel



Induction Hardened Bed Ways



Slideout Swarf Tray

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2 Speed Switch

Recommended Accessories

L277
Vertical Mill Slide



L017
Right Hand Turning Tool Holder



L018
Left Hand Turning Tool Holder



L044
Right Hand Turning Tool Holder



L045
Left Hand Turning Tool Holder



L0077
Lathe Turning Tool Kit - 7 piece
Insert Type



L451
Lathe Turning Tool Kit - 3 piece
Insert Type



L465
Professional Lathe Parting Tool
Kit - Insert Type



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L457
Lathe Threading Tool Kit - Insert Type



L076
Knurling Tool Holder Kit



C054
4MT Live Centre



C046
4MT Pipe Centre - 70° Cone



C290
Heavy Duty Drill Chuck - Keyed Type



C294
Industrial Drill Chuck - Keyless Type



D454A
4MT x JT3 Drill Chuck Arbor



D1272
Metric 135° Precision HSS Drill Set - 25 Piece



D1282
Imperial 135° Precision HSS Drill Set - 29 Piece



D126
Metric 135° Precision HSS Drill Set - 170 Pieces



S090A
Soluble Metal Cutting Fluid - 1 Litre



S090
Soluble Metal Cutting Fluid - 5 Litre



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S076

Cutting Tool Lubricant Fluid - 500ml



S077

Drilling, Tapping & Cutting Tool Lubricant Spray - 400g



S074

Cutting Tool Lubricant Paste - 500g



S091

Soluble Metal Cutting Fluid - 20 Litre



G659

Lathe Leadscrew Cover Kit - Concertina



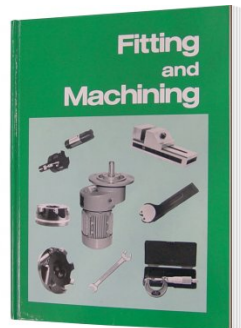
G660

Lathe Leadscrew Cover Kit



L341

Fitting and Machining Technical Book



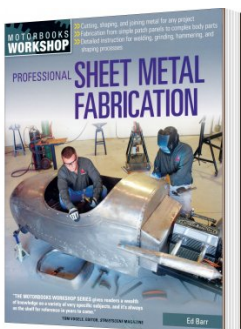
L345

Handy Workshop Tips & Techniques - 1st Edition



L3455

Professional Sheet Metal Fabrication Book



L300

Magnetic Swarf Remover



M9991

Magnetic Floor Sweeper



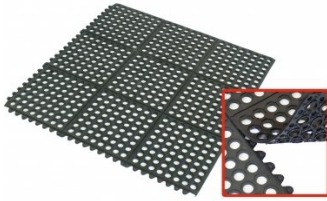
M800

Rubber Mat - Anti-Fatigue



Product Brochure For L564E

M805
Rubber Mat - Anti-Fatigue



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O044
Rust & Corrosion Preventive

