

## Product Brochure For L564E

### Centre Lathe - AL-356

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



**On Sale**

Ex GST

Inc GST

**\$9,870.00**

**\$11,350.50**

**\$7,900.00**

**\$9,085.00**

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)

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- Chuck & change gear guards are fitted with micro switches
- Coolant system with flexible hose
- Low voltage LED work light
- Slide out swarf tray

### 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

a		b		LEVER	
120	30T	40T	4	1	4
120	30T	40T	2	3	1
120	30T	40T	3	3	3
A	D	10	8.0	7.5	6.0
B	D	5.0	4.0	3.75	3.0
A	C	2.5	2.0	1.875	1.5
B	C	1.25	1.0	0.9375	0.75

Metric Thread Chart

a		b		LEVER	
127	40T	40T	1	2	1
127	40T	40T	3	3	3
A	D	2 1/4	3	3 3/4	4
B	D	4 1/2	6	7 1/2	8
A	C	9	12	15	16
B	C	18	24	30	32

Imperial Thread Chart

a		b		LEVER	
120	30T	OT	OS	OR	OU
120	30T	0.298	0.278	0.224	0.179
A	D	1.044	0.975	0.783	0.627
B	D	0.522	0.487	0.392	0.313
A	C	0.261	0.244	0.196	0.157
B	C	0.131	0.122	0.098	0.078

Longitudinal and Cross feed Chart

		INDICATOR TABLE				
27T	mm	0.45	0.6	1.5	3.0	4.5
27T	scale	1/59				
28T	mm	0.7	3.5	8.0		
28T	scale	1/4770				
30T	mm	1.25	2.5	5.0	10	
30T	scale	1/357911				
OT	mm	1.0	2.0	4.0		
OT	scale					

Indicator Table For Thread Chasing

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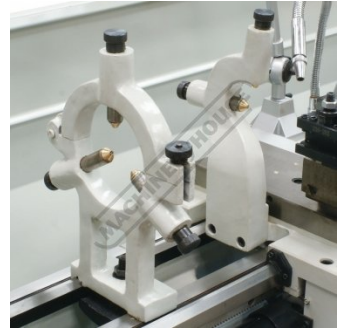
3 Jaw Chuck and Safety Guard



Quick Change Toolpost



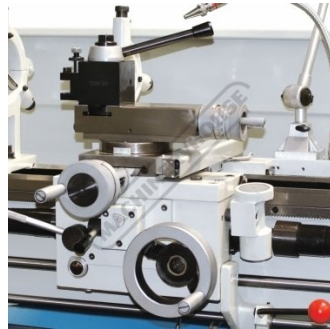
Swivel Compound Table



Fixed and Travelling Steadies



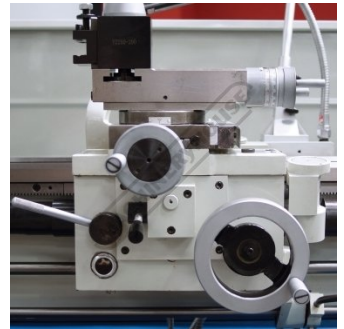
LED Work Light and Coolant Hose



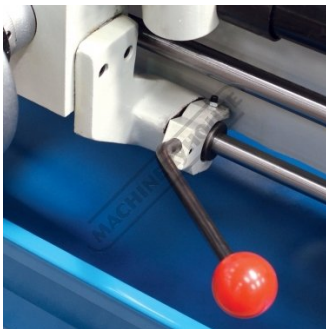
Saddle Right View



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

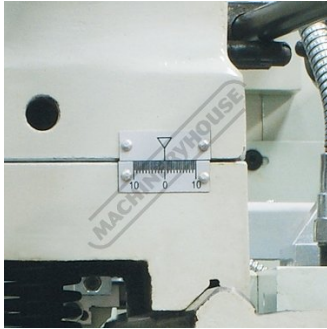


Tailstock



Tailstock Quill Graduations

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Adjustable Tailstock



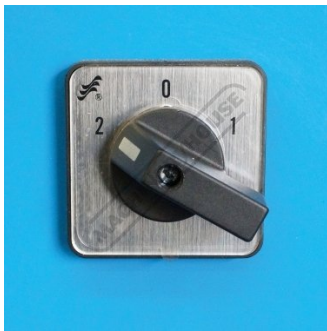
Tail Stock Feed Handwheel



Induction Hardened Bed Ways



Slideout Swarf Tray



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



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**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



**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



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**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



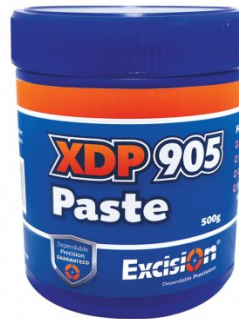
**S076**  
Cutting Tool Lubricant Fluid - 500ml



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



**S074**  
Cutting Tool Lubricant Paste - 500g



**S091**  
Soluble Metal Cutting Fluid - 20 Litre



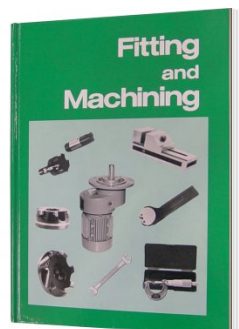
**G659**  
Lathe Leadscrew Cover Kit - Concertina



**G660**  
Lathe Leadscrew Cover Kit



**L341**  
Fitting and Machining Technical Book

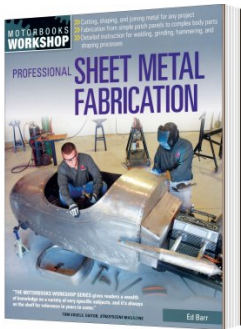


**L345**  
Handy Workshop Tips & Techniques - 1st Edition



Product Brochure For L564E

**L3455**  
Professional Sheet Metal Fabrication Book



**L300**  
Magnetic Swarf Remover



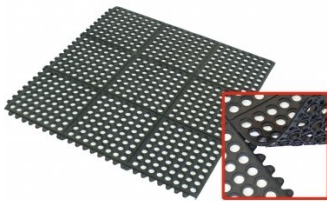
**M9991**  
Magnetic Floor Sweeper



**M800**  
Rubber Mat - Anti-Fatigue



**M805**  
Rubber Mat - Anti-Fatigue



**O043**  
Rust & Corrosion Preventive



**O042**  
General Purpose Lubricant & Corrosion Inhibitor



**O044**  
Rust & Corrosion Preventive

