

Product Brochure For L240D

Centre Lathe - AL-1000C

Ø360 x 1000mm Turning Capacity - Ø40mm Spindle Bore
 Includes Digital Readout System



Ex GST **Inc GST**
\$11,890.00 **\$13,079.00**

ORDER CODE:	L240D
MODEL:	AL-1000C
Swing Over Bed (mm):	360
Distance Between Centres (mm):	1000
Spindle Bore (mm):	40
Swing In Gap (mm):	516
Swing Over Cross-slide (mm):	225
Digital Readout System Fitted:	Yes
Quick Change Toolpost Fitted:	Optional
Leadscrew Covers Fitted:	Yes
Taper Turning Attachment:	Optional
Coolant System:	Yes
Tool Height To Suit (mm):	16
Centre Height (mm):	178
Spindle Nose Size or Type:	D1-4 Camlock
Bed Width (mm):	190
Headstock Spindle Taper (MT):	5
Tailstock Taper (MT):	3
Cross Slide Travel (mm):	175
Compound Slide Travel (mm):	100
Leadscrew Type:	Imperial
Metric Cross Feed (X-Axis) (mm/rev):	~
Imperial Cross Feed (X-Axis) (inch/rev):	0.0013 - 0.0184
Metric Longitudinal Feed (Z-Axis) (mm/rev):	~
Imperial Longitudinal Feed (Z-Axis) (inch/rev):	0.0026 - 0.0368
Metric Thread Steps & Pitch (No. / mm):	30 (0.4 - 7.0)
Imperial Thread Steps & TPI (No. / TPI):	32 (4 - 56)
3 Jaw Chuck Diameter (mm):	160
4 Jaw Chuck Diameter (mm):	200
Spindle Steps / Speeds (No. / rpm):	9 (82 - 2000)
Motor Power (kW / hp):	1.5 / 2
Voltage / Amperage (V / amp):	240 / 15
Nett Weight (kg):	700

Description

Manufactured in Taiwan

Tool room quality precision lathe and have been sold for over 20 years

Features

- 2 Axis digital readout system
- Gear drive headstock for quick change of spindle speeds
- Nachi Japanese made bearings supporting headstock spindle
- Stand increasing rigidity and reducing vibration
- 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
- Overload clutch mechanism on auto power feed
- Overload protection on drive motor and coolant system
- 2hp 240V motor, 9-speed (82 - 2000rpm)
- Inching button is incorporated on the control panel for convenient spindle speed selection

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- Enclosed quick action gearbox for thread cutting and auto feeding
- Powered longitudinal and cross feeds
- D1-4 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)
- Coolant system with flexible hose
- Slide out swarf tray

Includes

- 2 Axis digital readout system
- Concertina leadscrew cover
- Slide out front swarf tray
- 160mm 3-jaw chuck with reverse jaws
- 200mm 4-jaw chuck
- Face plate
- Fixed steady
- Travelling steady
- Change gears
- Dead centres
- Thread-chasing dial
- Safety chuck guard
- Stand
- Foot brake
- Rear splash guard & swarf tray
- Tool box
- Instruction booklet

Specific Features



2 Axis Digital Readout



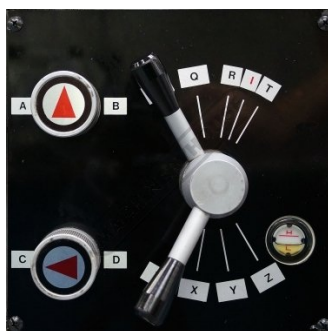
Headstock Controls



Control Panel

A	B	C
300	2000	1400
82	550	400
165	1100	770

Speed Chart



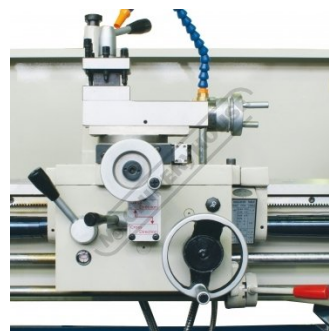
Feeds & Threads Gearbox Controls

T.P.I		INCH	
P	Q	R	R
X	X	X	X
60	65	60	57
60	60	60	60
60	60	60	69
60	60	60	60
A	D	3	3 1/4
B	D	6	6 1/2
A	C	12	13
B	C	24	26
A	D	3	3 1/4
B	D	6	6 1/2
A	C	12	13
B	C	24	26

Imperial Thread Chart

PITCH		MM	
P	Q	R	R
X	X	X	X
28	28	42	35
49	30	49	36
30	30	49	36
30	30	49	36
A	D	3.2	4.0
B	D	1.6	2.0
A	C	0.8	1.0
B	C	0.4	0.5
A	D	3.2	4.0
B	D	1.6	2.0
A	C	0.8	1.0
B	C	0.4	0.5

Metric Thread Chart

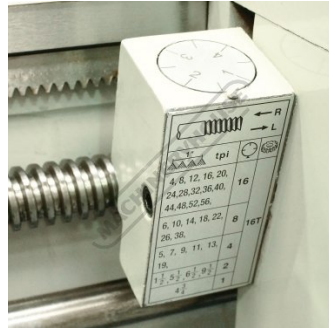


Saddle Controls

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Saddle Right View



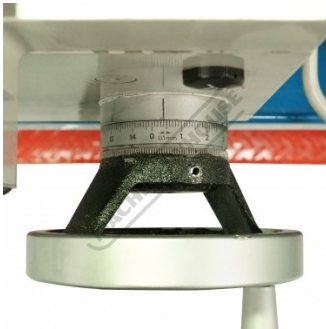
Thread Chasing Dial



Thread & Feed Engagement Levers



Spindle Engagement Lever



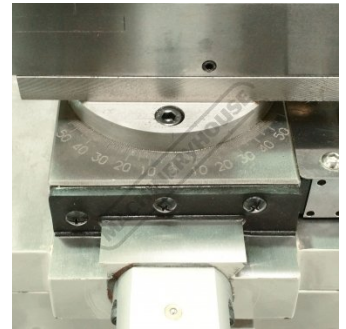
Saddle Hand Wheel



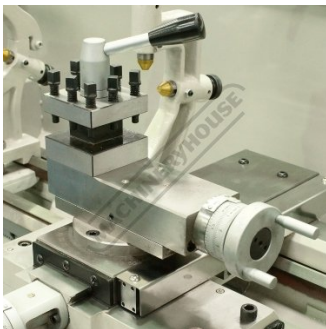
3 Point Fixed Steady



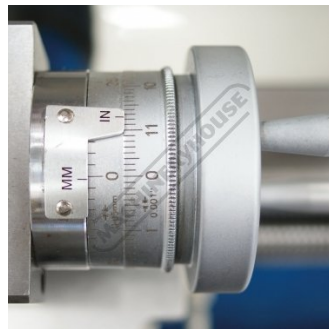
2 Point Travelling Steady



Swivel Compound with Scale



Compound Slide with 4-Way Toolpost



Compound Dial



Cross Slide Dial



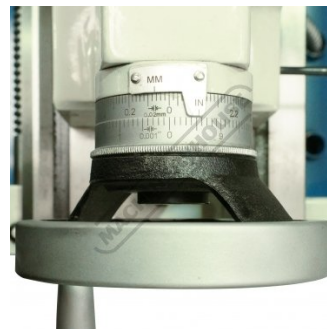
Flexible Coolant Hose



Safety Chuck Guard



Tailstock



Tailstock Hand Wheel



Tailstock Offset Adjustment

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Hardened & Ground Bedways



Slide Out Swarf Tray



Foot Brake

Recommended Accessories

L258

Taper Turning Attachment

C980

5C Collet Lathe Adaptor

L277

Vertical Mill Slide

L295

Quick Change Toolpost



L017

Right Hand Turning Tool Holder

L018

Left Hand Turning Tool Holder

L044

Right Hand Turning Tool Holder

L045

Left Hand Turning Tool Holder



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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



C052

3MT Live Centre



C045

3MT Pipe Centre - 70° Cone



C290

Heavy Duty Drill Chuck - Keyed
Type



C294

Industrial Drill Chuck - Keyless
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



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



S091

Soluble Metal Cutting Fluid - 20 Litre



G660

Lathe Leadscrew Cover Kit



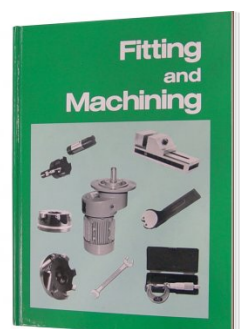
G659

Lathe Leadscrew Cover Kit - Concertina



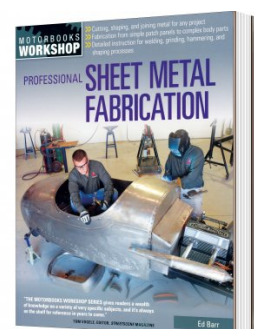
L341

Fitting and Machining Technical Book



L3455

Professional Sheet Metal Fabrication Book



Product Brochure For L240D

L300
 Magnetic Swarf Remover



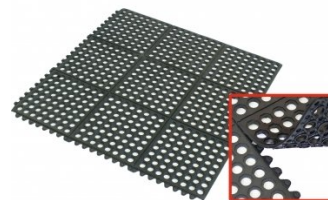
M9991
 Magnetic Floor Sweeper



M800
 Rubber Mat - Anti-Fatigue



M805
 Rubber Mat - Anti-Fatigue



O000
 SpillFix Universal Organic Absorbent



O043
 Rust & Corrosion Preventive



O042
 General Purpose Lubricant & Corrosion Inhibitor



O040
 Rust & Corrosion Preventive



O044
 Rust & Corrosion Preventive

