Auckland: (09) 2717 234
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Product Brochure For L240D

Centre Lathe - AL-1000C

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

Ex GST	Inc GST
$14,336.00	$16,486.40



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

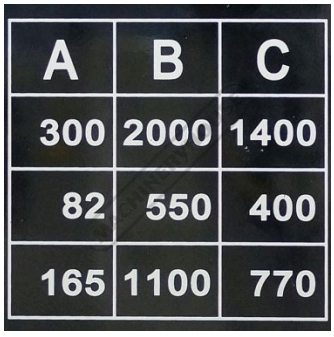


2 Axis Digital Readout


Headstock Controls

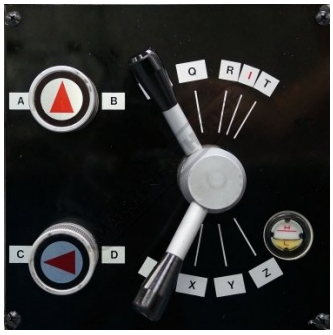


Control Panel



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

Speed Chart



Feeds & Threads Gearbox Controls



	PX	PX	QX	TZ	RX	RX	QZ	RX	RW
	60	65	60	60	57	60	60	69	60
A D	3	3¼	4	4½	4¾	5	5½	5¾	7
B D	6	6½	8	9	9½	10	11	11½	14
A C	12	13	16	18	19	20	22	23	28
B C	24	26	32	36	38	40	44	46	56

	W	X	Y	Z
A D	0.021	0.0295	0.0368	0.0226
B D	0.0105	0.0148	0.0184	0.0113
A C	0.0053	0.0072	0.0092	0.0056
B C	0.0026	0.0036	0.0046	0.0028

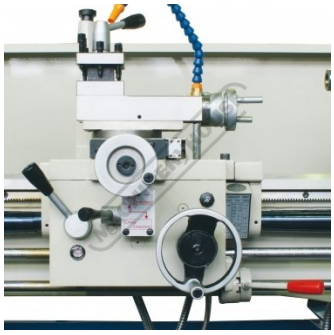
Imperial Thread Chart



	28	28	42	35	49	30	49	36
	RW	QW	RW	QW	RW	QX	QW	QX
A D	3.2	4.0	4.8	5.0	5.6	6.0	7.0	7.2
B D	1.6	2.0	2.4	2.5	2.8	3.0	3.5	3.6
A C	0.8	1.0	1.2	1.25	1.4	1.5	1.75	1.8
B C	0.4	0.5	0.6		0.7	0.75		0.9

	W	X	Y	Z
A D	0.533	0.749	0.935	0.574
B D	0.266	0.375	0.467	0.287
A C	0.134	0.182	0.233	0.142
B C	0.066	0.091	0.116	0.071

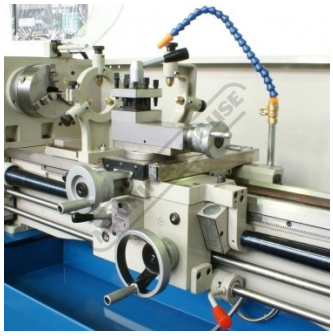
Metric Thread Chart

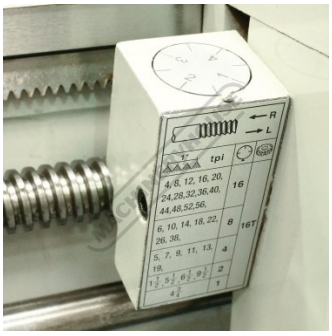

Saddle Controls

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Saddle Right View


Thread Chasing Dial



Thread & Feed Engagement Levers


Spindle Engagement Lever

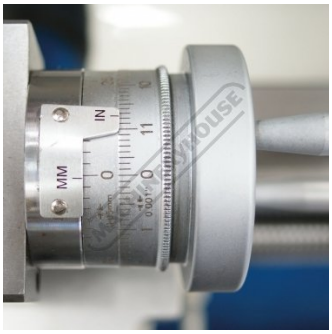

Saddle Hand Wheel


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


Taistock Hand Wheel


Tailstock Offset Adjustment

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Product Brochure For L240D


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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Product Brochure For L240D

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 - 70º Cone



C290
Heavy Duty Drill Chuck - Keyed Type



C294
Industrial Drill Chuck - Keyless 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 L240D

D126
Metric 135º Precision HSS M35 COBALT 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



G660
Lathe Leadscrew Cover Kit



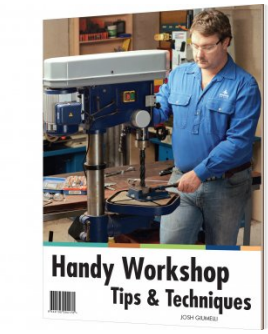
G659
Lathe Leadscrew Cover Kit - Concertina



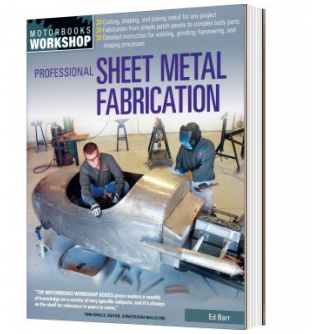
L341
Fitting and Machining Technical Book



L345
Handy Workshop Tips & Techniques - 1st Edition



L3455
Professional Sheet Metal Fabrication Book



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Product Brochure For L240D

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

