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Product Brochure For L242

Centre Lathe - AL-1000D

360 x 1000mm Turning Capacity



ORDER CODE:	L242
MODEL:	AL-1000D
Swing Over Bed (mm):	356
Distance Between Centres (mm):	1000
Spindle Bore (mm):	40
Swing In Gap (mm):	516
Swing Over Cross-slide (mm):	225
Digital Readout System Fitted:	Optional
Quick Change Toolpost Fitted:	Optional
Leadscrew Covers Fitted:	~
Taper Turning Attachment:	~
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:	Metric
Metric Cross Feed (X-Axis) (mm/rev):	0.033 - 0.468
Imperial Cross Feed (X-Axis) (inch/rev):	~
Metric Longitudinal Feed (Z-Axis) (mm/rev):	0.066 - 0.936
Imperial Longitudinal Feed (Z-Axis) (inch/rev):	~
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):	18 (50 - 2000)
Motor Power (kW / hp):	2.25 / 3
Voltage / Amperage (V / amp):	415
Nett Weight (kg):	720

Description

Manufactured in Taiwan

Features

- Tool room quality precision lathe, Made in Taiwan and have been sold for over 20 years
- 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
- 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
- 3hp 415V motor, 18-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
- D1-4 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)

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- Coolant system with flexible hose
- Slide out swarf tray

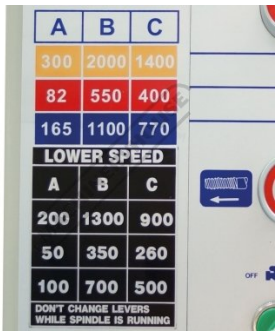
Includes

- 160mm 3-jaw chuck with reverse jaws
- 200mm 4-jaw chuck
- Faceplate
- Fixed Steady
- Travelling Steady
- Change gears
- Dead centres
- Thread-chasing dial
- Stand
- Foot brake
- Rear splash guard & swarf tray
- Toolbox
- Instruction booklet

Specific Features


Gear Box Controls


Control Panel



Speed Chart

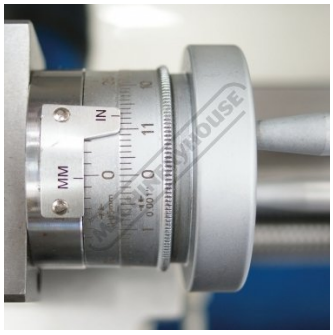

Thread Chart


Tool Post


Saddle


Tailstock


Cross Dial


Compound Dial


3 Point Travelling Steady

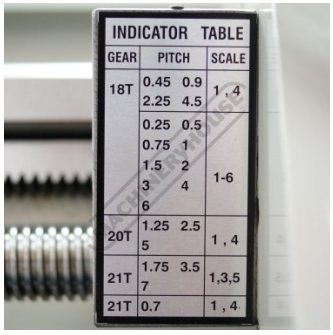

Thread Chasing Dial


Travelling Steady

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Thread Chasing Chart



Compound Scale

Recommended Accessories

G660
Lathe Leadscrew Cover Kit



G659
Lathe Leadscrew Cover Kit - Concertina



L258
Taper Turning Attachment



C052
3MT Live Centre



L0077
Lathe Turning Tool Kit - 7 piece Insert Type



L451
Lathe Turning Tool Kit - 3 piece Insert Type



L457
Lathe Threading Tool Kit - Insert Type



L465
Professional Lathe Parting Tool Kit - Insert Type

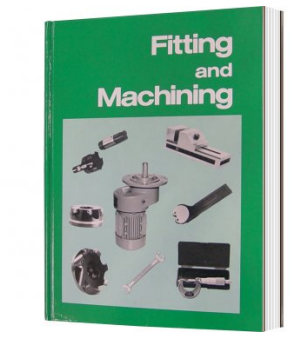


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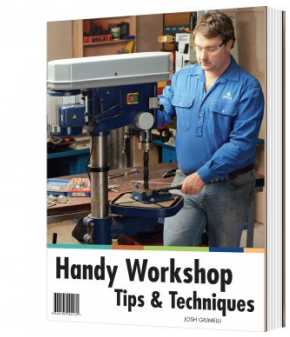
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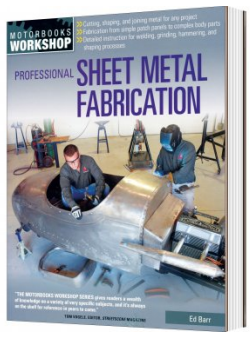
L341
Fitting and Machining Technical Book



L345
Handy Workshop Tips & Techniques - 1st Edition



L3455
Professional Sheet Metal Fabrication Book



L295
Quick Change Toolpost



L295A
Quick Change Toolpost Holder - Std



L076
Knurling Tool Holder Kit



L277
Vertical Mill Slide



D126
Metric 135º Precision HSS M35 COBALT Drill Set - 170 Pieces



D1282
Imperial 135º Precision HSS M35 COBALT Drill Set - 29 Piece



C980
5C Collet Lathe Adaptor



C294
Industrial Drill Chuck - Keyless Type



D443A
3MT x JT3 Drill Chuck Arbor



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D719
150mm Easson Digital Readout Scale



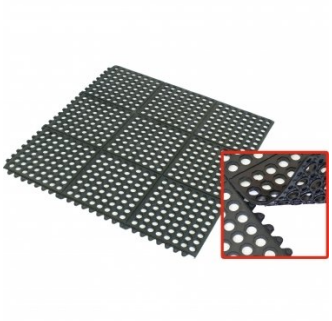
D734
900mm Easson Digital Readout Scale



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



S074
Cutting Tool Lubricant Paste - 500g



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O044
Rust & Corrosion Preventive

