

Product Brochure For L240D

Centre Lathe - AL-1000C

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

On Sale

| Ex GST | Inc GST |
|--------------------|--------------------|
| \$11,890.00 | \$13,079.00 |
| \$10,690.00 | \$11,759.00 |



| | |
|---|-----------------|
| 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

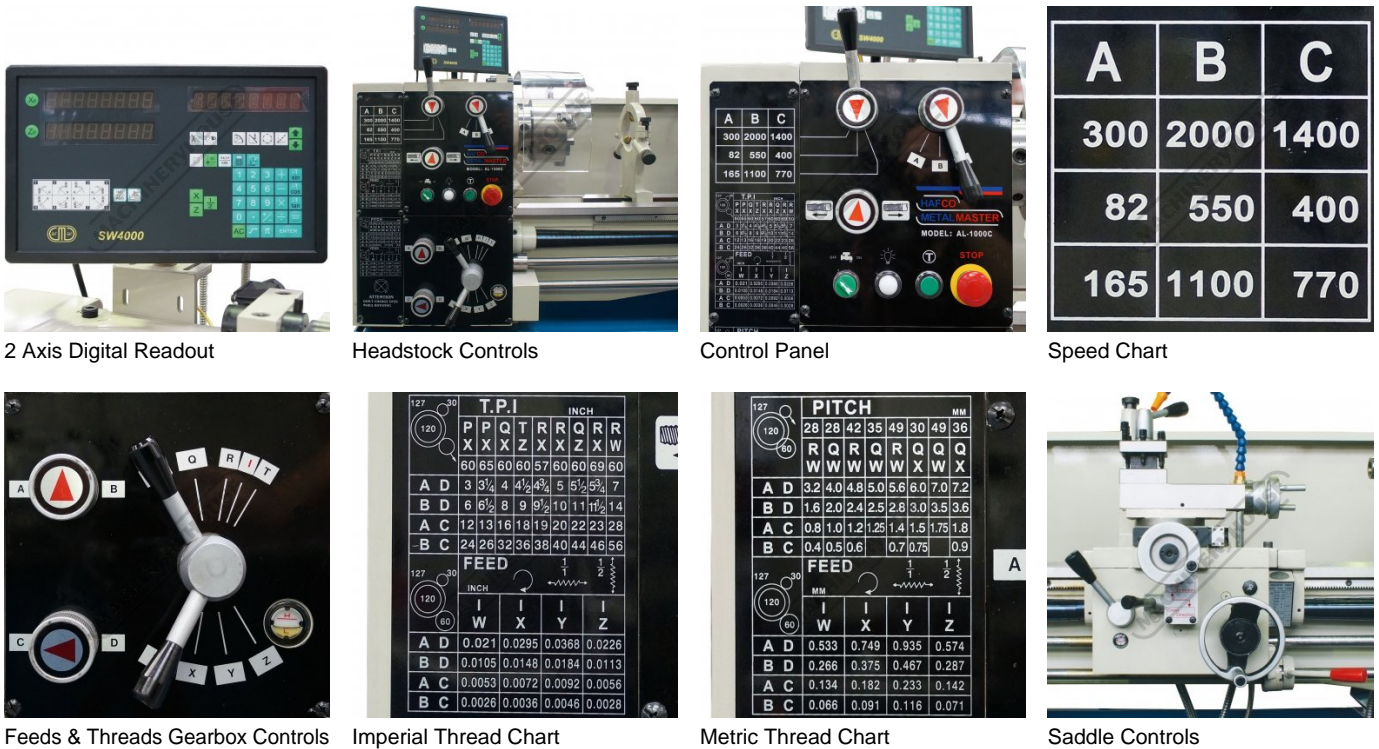
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- Overload clutch mechanism on auto power feed
- Overload protection on drive motor and coolant system
- 2hp 240V motor, 9-speed (82 - 2000rpm)
- Inching button is incorporated on the control panel for convenient spindle speed selection
- Enclosed 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



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

Speed Chart

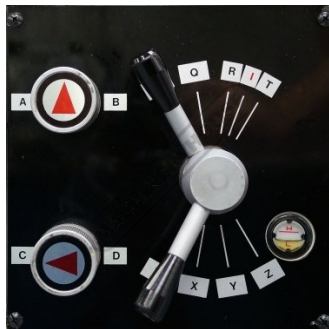


Saddle Controls

2 Axis Digital Readout

Headstock Controls

Control Panel



Feeds & Threads Gearbox Controls

| T.P.I. | | INCH | | | | | | | |
|--------|-----|------|-----|---|-----|---|-----|---|-----|
| P | 3 | Q | 4 | R | 5 | R | 6 | R | 7 |
| X | 8 | X | 9 | X | 10 | X | 11 | X | 12 |
| A | 13 | D | 14 | B | 15 | D | 16 | B | 17 |
| A | 18 | C | 19 | A | 20 | C | 21 | A | 22 |
| B | 23 | B | 24 | C | 25 | C | 26 | A | 27 |
| A | 28 | B | 29 | C | 30 | C | 31 | A | 32 |
| B | 33 | B | 34 | C | 35 | C | 36 | A | 37 |
| A | 38 | B | 39 | C | 40 | C | 41 | A | 42 |
| B | 43 | B | 44 | C | 45 | C | 46 | A | 47 |
| A | 48 | B | 49 | C | 50 | C | 51 | A | 52 |
| B | 53 | B | 54 | C | 55 | C | 56 | A | 57 |
| A | 58 | B | 59 | C | 60 | C | 61 | A | 62 |
| B | 63 | B | 64 | C | 65 | C | 66 | A | 67 |
| A | 68 | B | 69 | C | 70 | C | 71 | A | 72 |
| B | 73 | B | 74 | C | 75 | C | 76 | A | 77 |
| A | 78 | B | 79 | C | 80 | C | 81 | A | 82 |
| B | 83 | B | 84 | C | 85 | C | 86 | A | 87 |
| A | 88 | B | 89 | C | 90 | C | 91 | A | 92 |
| B | 93 | B | 94 | C | 95 | C | 96 | A | 97 |
| A | 98 | B | 99 | C | 100 | C | 101 | A | 102 |
| B | 103 | B | 104 | C | 105 | C | 106 | A | 107 |
| A | 108 | B | 109 | C | 110 | C | 111 | A | 112 |
| B | 113 | B | 114 | C | 115 | C | 116 | A | 117 |
| A | 118 | B | 119 | C | 120 | C | 121 | A | 122 |
| B | 123 | B | 124 | C | 125 | C | 126 | A | 127 |

Imperial Thread Chart

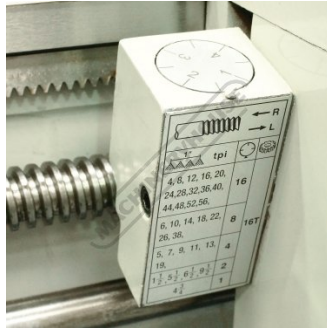
| PITCH | | MM | | | | | | | |
|-------|----|-------|-------|-------|-------|------|-----|------|-----|
| 28 | 28 | 42 | 35 | 49 | 30 | 49 | 36 | | |
| R | Q | R | Q | R | Q | R | Q | | |
| W | W | W | W | X | W | X | X | | |
| A | D | 3.2 | 4.0 | 4.8 | 5.0 | 5.6 | 6.0 | 7.0 | 7.2 |
| B | D | 1.6 | 2.0 | 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 | | |
| FEED | | MM | | | | | | | |
| 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

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Saddle Right View



Thread Chasing Dial



Thread & Feed Engagement Levers



Spindle Engagement Lever



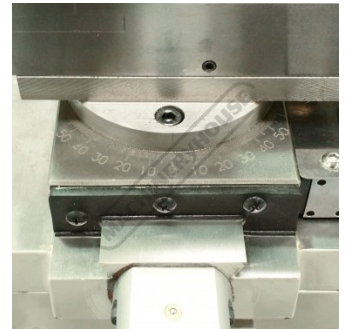
Saddle Hand Wheel



3 Point Fixed Steady



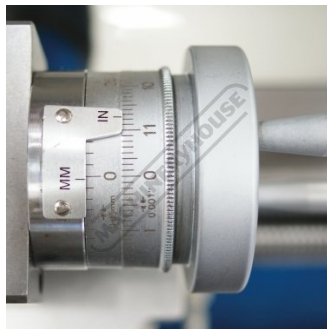
2 Point Travelling Steady



Swivel Compound with Scale



Compound Slide with 4-Way Toolpost



Compound Dial



Cross Slide Dial



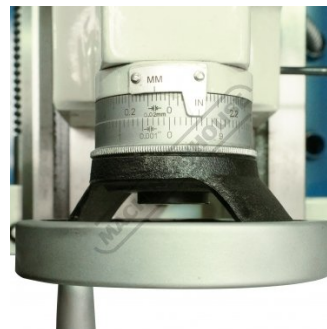
Flexible Coolant Hose



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



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 - 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



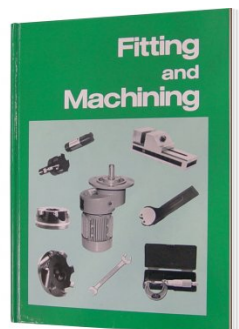
G659

Lathe Leadscrew Cover Kit - Concertina



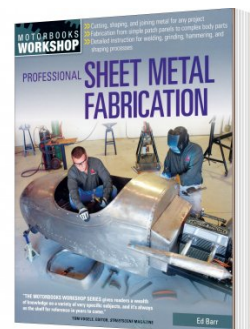
L341

Fitting and Machining Technical Book



L3455

Professional Sheet Metal Fabrication Book



Product Brochure For L240D

L300
 Magnetic Swarf Remover



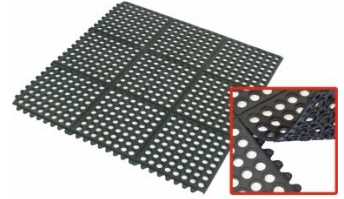
M9991
 Magnetic Floor Sweeper



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

