

Product Brochure For L186D

Centre Lathe - AL-540

Ø356 x 1000mm Turning Capacity - Ø38mm Spindle Bore
Includes Digital Readout System & Quick Change Toolpost



| | |
|---|-----------------|
| ORDER CODE: | L186D |
| MODEL: | AL-540 |
| Swing Over Bed (mm): | 356 |
| Distance Between Centres (mm): | 1000 |
| Spindle Bore (mm): | 38 |
| Swing In Gap (mm): | 506 |
| Swing Over Cross-slide (mm): | 220 |
| 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: | D1-4 Camlock |
| Bed Width (mm): | 206 |
| Headstock Spindle Taper (MT): | 5 |
| Tailstock Taper (MT): | 3 |
| Cross Slide Travel (mm): | 180 |
| Compound Slide Travel (mm): | 100 |
| Leadscrew Type: | Metric |
| Metric Cross Feed (X-Axis) (mm/rev): | 0.015 - 0.220 |
| Imperial Cross Feed (X-Axis) (inch/rev): | ~ |
| Metric Longitudinal Feed (Z-Axis) (mm/rev): | 0.043 - 0.653 |
| Imperial Longitudinal Feed (Z-Axis) (inch/rev): | ~ |
| Metric Thread Steps & Pitch (No. / mm): | 39 (0.45 - 7.5) |
| Imperial Thread Steps & TPI (No. / TPI): | 28 (4 - 112) |
| 3 Jaw Chuck Diameter (mm): | 160 |
| 4 Jaw Chuck Diameter (mm): | 200 |
| Spindle Steps / Speeds (No. / rpm): | 16 (50 - 2000) |
| Motor Power (kW / hp): | 2.4 / 3.2 |
| Voltage / Amperage (V / amp): | 415 |
| Nett Weight (kg): | 880 |

Features

- 2 Axis digital readout system
 - Quick change toolpost with 4 holders
 - Concertina leadscrew cover
 - Gear drive headstock for quick change of spindle speeds
 - Cast iron stand increasing rigidity and reducing vibration
 - Precision 'V'-beds are hardened and ground, incorporating a rigid webbed casting
 - Low voltage work light
 - 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
 - Micro-adjustable length-stop on bed-way for accurate repetitive operation
 - 3.2HP/415V motor 16-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)
- Chuck & change gear guards are fitted with micro switches

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- Coolant system with flexible hose
- Slide out swarf tray

Includes

- 2 Axis digital readout system
- Concertina leadscrew covers
- Slide out front swarf tray
- Quick change toolpost with 4 holders
- 160mm 3-jaw chuck with reverse jaws
- 200mm 4-jaw chuck
- Face plate
- Fixed steady
- Travelling steady
- Change gears
- Dead centres
- Thread-chasing dial
- Work light
- Cast iron stand
- Foot brake
- Rear splash guard & swarf tray
- Tool box
- Instruction booklet

Specific Features



2 Axis DRO



Speed Levers



Enclosed Quick Action Gearbox



Safety Chuck Guard



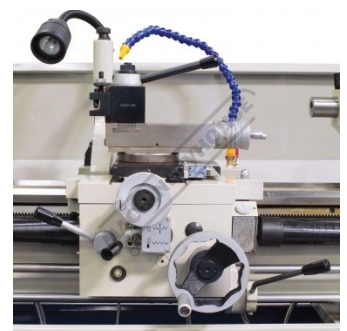
5 3 Point Steady



2 Point Steady



Saddle left View

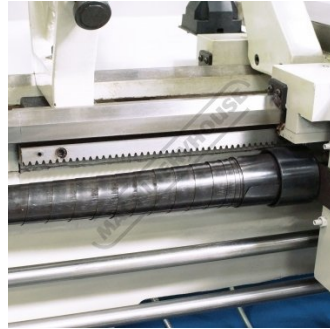


Saddle Front View

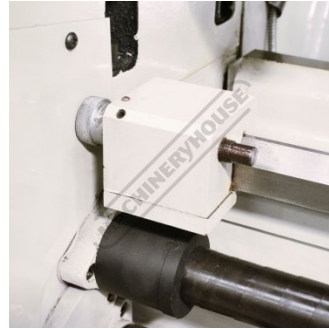
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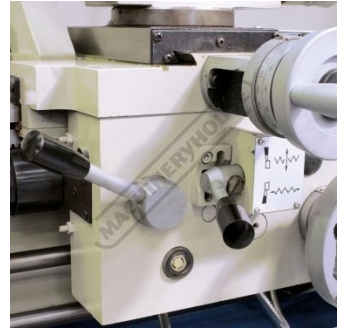
Saddle Right View



Leadscrew Covers



Saddle stop



Feed Engage Levers



Quick Change Toolpost



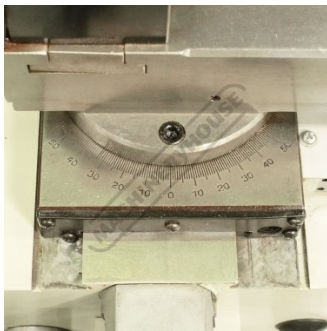
Cross Feed Dial



Saddle Hand Wheel



Compound Dial



Compound Slide Scale



Thread Chasing Dial



Spindle Engagement Lever



Compound Slide



Tailstock



Tailstock Quill



Tailstock Hand Wheel

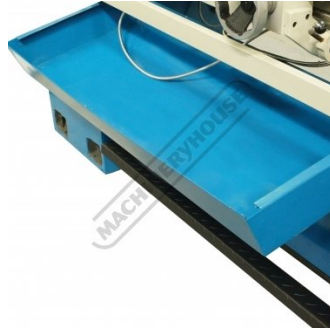


Induction Hardened Bedways

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Footbrake



Pull Out Swarf Tray

Recommended Accessories

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



C052

3MT Live Centre



L295

Quick Change Toolpost



L295A

Quick Change Toolpost Holder -
Std



L076

Knurling Tool Holder Kit



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L277
Vertical Mill Slide



C294
Industrial Drill Chuck - Keyless Type



D443A
3MT x JT3 Drill Chuck Arbor



D126
Metric 135° Precision HSS Drill Set - 170 Pieces



D1282
Imperial 135° Precision HSS Drill Set - 29 Piece



C980
5C Collet Lathe Adaptor



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



D719
150mm Easson Digital Readout Scale

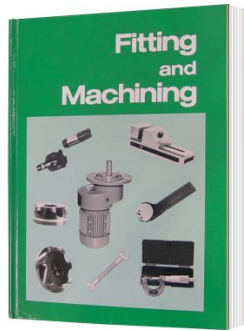


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D734
900mm Easson Digital Readout Scale



L341
Fitting and Machining Technical Book



L345
Handy Workshop Tips & Techniques - 1st Edition



L3455
Professional Sheet Metal Fabrication Book



L300
Magnetic Swarf Remover



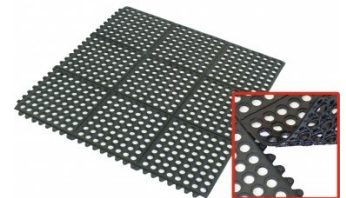
M9991
Magnetic Floor Sweeper



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O044
Rust & Corrosion Preventive

