Auckland: (09) 2717 234
Christchurch: (03) 741 6241

sales@machineryhouse.co.nz
www.machineryhouse.co.nz

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

Auckland: (09) 2717 234
Christchurch: (03) 741 6241

sales@machineryhouse.co.nz
www.machineryhouse.co.nz

Product Brochure For L186D

- 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



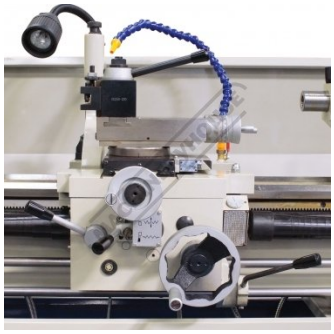
Enclosed Quick Action Gearbox


Safety Chuck Guard


5 3 Point Steady


2 Point Steady


Saddle left View


Saddle Front View

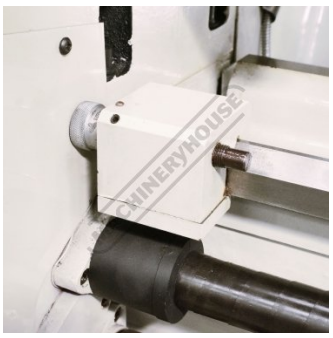
Auckland: (09) 2717 234
Christchurch: (03) 741 6241

sales@machineryhouse.co.nz
www.machineryhouse.co.nz

Product Brochure For L186D


Saddle Right View


Leadscrew Covers


Saddle stop

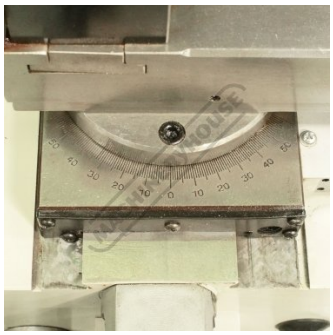

Feed Engage Levers

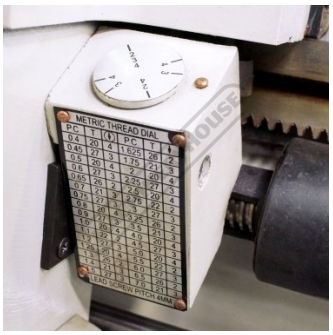

Quick Change Toolpost


Cross Feed Dial


Saddle Hand Wheel


Compound Dial

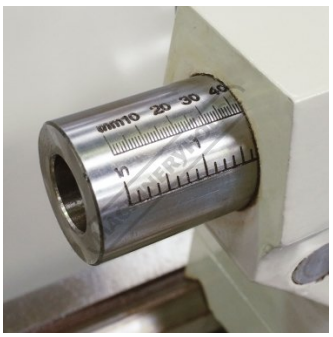

Compound Slide Scale


Thread Chasing Dial


Spindle Engagement Lever


Compound Slide


Tailstock


Tailstock Quill


Tailstock Hand Wheel


Induction Hardened Bedways

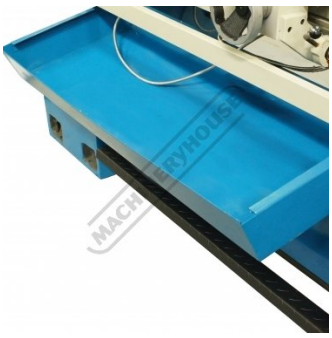
Auckland: (09) 2717 234
Christchurch: (03) 741 6241

sales@machineryhouse.co.nz
www.machineryhouse.co.nz

Product Brochure For L186D



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



Auckland: (09) 2717 234
Christchurch: (03) 741 6241

sales@machineryhouse.co.nz
www.machineryhouse.co.nz

Product Brochure For L186D

L277
Vertical Mill Slide



C294
Industrial Drill Chuck - Keyless Type



D443A
3MT x JT3 Drill Chuck Arbor



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



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



Auckland: (09) 2717 234
Christchurch: (03) 741 6241

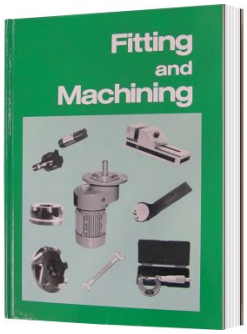
sales@machineryhouse.co.nz
www.machineryhouse.co.nz

Product Brochure For L186D

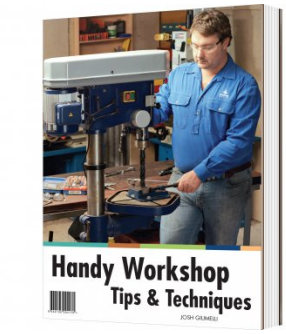
D734
900mm Easson Digital Readout Scale



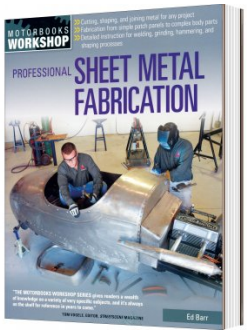
L341
Fitting and Machining Technical Book



L345
Handy Workshop Tips & Techniques - 1st Edition



L3455
Professional Sheet Metal Fabrication Book



L300
Magnetic Swarf Remover



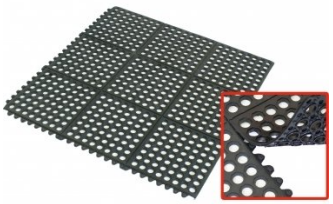
M9991
Magnetic Floor Sweeper



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O044
Rust & Corrosion Preventive

