

## Product Brochure For L237D

### Centre Lathe - AL-960B

Ø305 x 925mm Turning Capacity - Ø40mm Spindle Bore  
 12 Gearing Head Speeds 70 ~ 1400rpm, Includes Digital Readout System & Cabinet Stand



**Ex GST**  
**\$7,590.00**

**Inc GST**  
**\$8,349.00**

ORDER CODE:	L237D
MODEL:	AL-960B
Swing Over Bed (mm):	305
Distance Between Centres (mm):	925
Spindle Bore (mm):	40
Swing In Gap (mm):	450
Swing Over Cross-slide (mm):	180
Digital Readout System Fitted:	Yes
Quick Change Toolpost Fitted:	Optional
Leadscrew Covers Fitted:	~
Taper Turning Attachment:	~
Coolant System:	~
Tool Height To Suit (mm):	12
Centre Height (mm):	152.5
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):	170
Compound Slide Travel (mm):	90
Leadscrew Type:	Imperial
Metric Cross Feed (X-Axis) (mm/rev):	~
Imperial Cross Feed (X-Axis) (inch/rev):	0.0013 - 0.041
Metric Longitudinal Feed (Z-Axis) (mm/rev):	~
Imperial Longitudinal Feed (Z-Axis) (inch/rev):	0.0027 - 0.082
Metric Thread Steps & Pitch (No. / mm):	26 (0.25 - 7.5)
Imperial Thread Steps & TPI (No. / TPI):	40 (4 - 112)
3 Jaw Chuck Diameter (mm):	160
4 Jaw Chuck Diameter (mm):	200
Spindle Steps / Speeds (No. / rpm):	12 (70 - 1400)
Motor Power (kW / hp):	1.5 / 2
Voltage / Amperage (V / amp):	240 / 15
Nett Weight (kg):	470

### Description

A superior quality Taiwanese heavy duty AL-960B metal turning lathe manufactured to precision engineering tolerance & excellence, suitable for the home enthusiastic, model engineer, gunsmith engineers and small workshops. This lathe is well known & sort after in many industries because of its user friendly capabilities and it most certainly will transform your metal turning experience to the next level of expertise.

Featuring a precision ground, induction hardened bed, fully gear driven spindle with hardened and ground gears with a speed range of 70 - 1400rpm, selectable via the front of headstock mounted gear selection levers.

2hp single phase 240 volt motor is supplied on machine, taper roller spindle bearings, range of cross and longitudinal feed speeds selected on a separate gearbox, thread chasing dial, chuck guard & splash guard.

Supplied with a large range of standard accessories including a 150mm(6") 3 jaw self centring chuck, 200mm(8") 4 jaw independent chuck, face plate, dead centres, 5 to 3 MT reduction sleeve, steady rest, follow rest, standard tool post, floor stand with a swarf tray. Change gears and toolbox with maintenance tools.

### Features

- Toolroom quality lathe, made in Taiwan & sold for over 40 years
- 2 Axis digital readout system
- Gear driven headstock for quick change of spindle speeds
- Nachi Japanese made bearings supporting headstock spindle
- Precision 'V'- beds are hardened and ground

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- Adjustable taper roller bearings support the spindle
- Change gears for metric and imperial thread cutting
- Saddle handwheel mounted on right side of apron reducing swarf contacting the hand
- External adjustable cross feed leadscrew nut
- Powered longitudinal and cross feeds
- 12 spindle speeds 70-1400rpm
- Dual calibrated dials (except saddle hand wheel)
- Quick-action feed gearbox for thread cutting
- D1-4 camlock spindle for quick chuck changes and safe reverse direction turning
- Removable gap bed way for larger diameter jobs

### Includes

- 2 Axis digital readout system
- 160mm 3-jaw chuck with reverse jaws
- 200mm 4-jaw chuck
- Face plate
- Fixed and travelling steadies
- Change gears
- Dead centre
- Cabinet stand
- Splash tray
- Swarf tray
- Thread-chasing dial
- Chuck guard
- Tool box and instruction booklet

### Specific Features



Left View



2 Axis DRO Mounted



Headstock



Head Stock Controls

	FAST PULLEY		SLOW PULLEY	
	L	H	L	H
1	360	1400	170	650
2	160	640	70	300
3	240	900	110	420

Spindle Speed Chart



Feed Threading Levers and Control Panel



Feed and Threading Levers

FEED (in)	METRIC THREAD							
	1	2	3	4	5	6	7	8
A	1.4	1.6	1.8	2.0	2.2	2.5	2.8	3.2
B	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1
C	8.0	9.0	10.0	11.0	12.5	14.0	16.0	18.0
D	18.0	20.0	22.5	25.0	28.0	32.0	36.0	40.0
E	40.0	45.0	50.0	56.0	63.0	71.0	80.0	90.0

Feed and Threading Charts

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Safety Chuck Guard



3 Jaw Chuck



40mm Spindle Bore



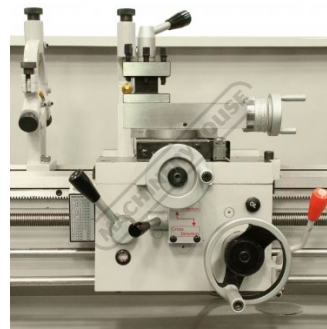
Removable Gap Bed Way



Fixed & Travelling Steadies



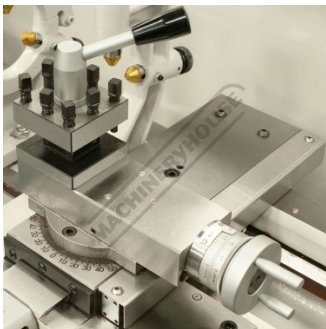
Saddle Left View



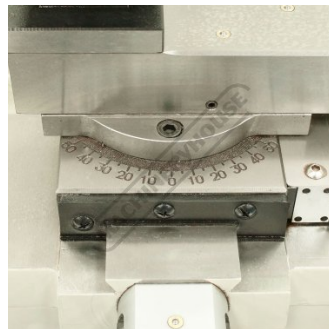
Saddle Front View



Saddle Right View



Compound Slide



Compound Slide Angle Scale



Toolpost



Thread Chasing Dial



Feed and Threading Engagment Levers



Spindle Engagment Lever

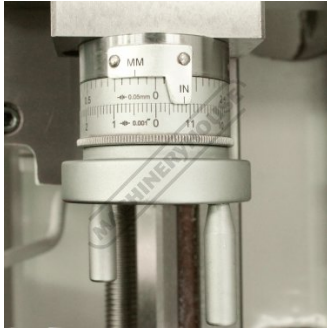


Cross Feed Dial Graduations



Saddle Hand Wheel Graduations

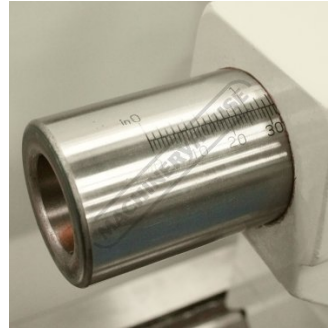
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Compound Slide Dial Graduations



Tailstock



Tailstock Quill Graduations



Hardened and Ground Bedways

**Recommended Accessories**

M002

Steel Machine Mount & Rubber Insert



L258

Taper Turning Attachment



P235

Coolant Pump & Tank



L295

Quick Change Toolpost



L277

Vertical Mill Slide



C980

5C Collet Lathe Adaptor



L015

Right Hand Turning Tool Holder



L016

Left Hand Turning Tool Holder



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**L0099**  
 Lathe Turning Tool Kit - 7 piece  
 Insert Type



**L450**  
 Lathe Turning Tool Kit - 3 piece  
 Insert Type



**L456**  
 Lathe Threading Tool Kit - Insert  
 Type



**L464**  
 Professional Lathe Parting 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



**D1282**  
 Imperial 135° Precision HSS  
 Drill Set - 29 Piece



**D1272**  
 Metric 135° Precision HSS Drill  
 Set - 25 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



G660

Lathe Leadscrew Cover Kit



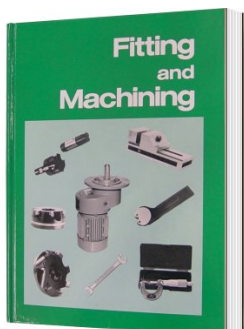
G659

Lathe Leadscrew Cover Kit - Concertina



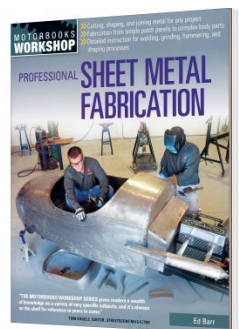
L341

Fitting and Machining Technical Book



L3455

Professional Sheet Metal Fabrication Book



L300

Magnetic Swarf Remover



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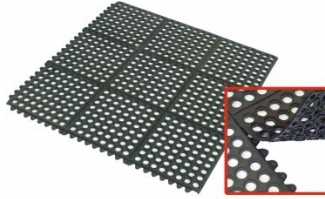
M9991  
 Magnetic Floor Sweeper



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

