

## Product Brochure For L237

### Centre Lathe - AL-960B

Ø305 x 925mm Turning Capacity - Ø40mm Spindle Bore  
12 Geared Head Speeds 70 ~ 1400rpm & Includes Cabinet Stand

**On Sale**

Ex GST

Inc GST

~~\$7,796.00~~

~~\$8,965.40~~

**\$6,900.00**

**\$7,935.00**



ORDER CODE:	L237
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:	Optional
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):	463

### 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

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- Gear driven headstock for quick change of spindle speeds
- Nachi Japanese made bearings supporting headstock spindle
- Precision V- beds are hardened and ground
- 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

- 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
- Toolbox and instruction booklet

### Specific Features



Left View



Headstock



Head Stock Controls

HAFCO METALMASTER				
MODEL : AL960B				
	FAST PULLEY		SLOW PULLEY	
	L	H	L	H
1	360	1400	170	650
2	160	640	70	300
3	240	900	110	420

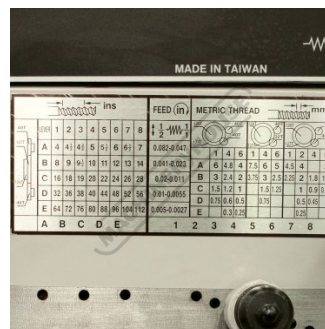
Spindle Speed Chart



Feed Threading Levers and Control Panel



Feed and Threading Levers



Feed and Threading Charts



Safety Chuck Guard

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3 Jaw Chuck



40mm Spindle Bore



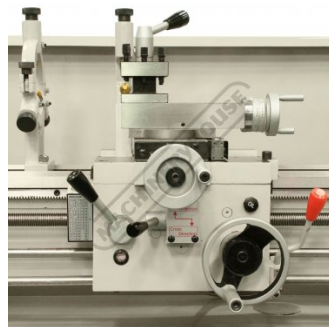
Removable Gap Bed Way



Fixed & Travelling Steadies



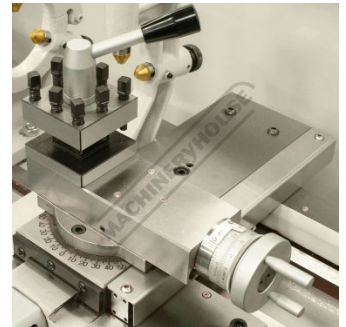
Saddle Left View



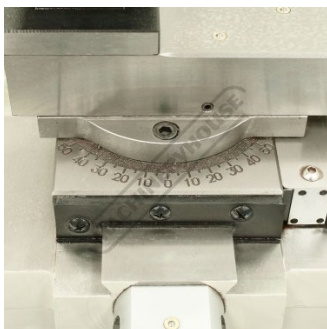
Saddle Front View



Saddle Right View



Compound Slide



Compound Slide Angle Scale



Toolpost



Thread Chasing Dial



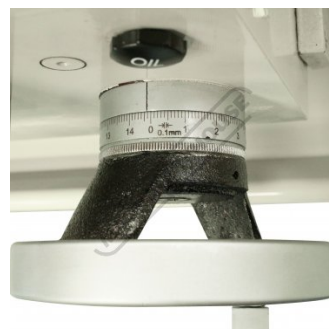
Feed and Threading Engagment Levers



Spindle Engagment Lever



Cross Feed Dial Graduations



Saddle Hand Wheel Graduations

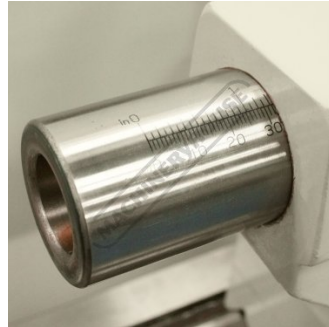


Compound Slide Dial Graduations

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Tailstock



Tailstock Quill Graduations



Hardened and Ground Bedways

**Recommended Accessories**

M002

Steel Machine Mount & Rubber Insert



L237D

Centre Lathe



D5229

920mm Sino Digital Readout Scale



D5249

Scale - Backing Plate & Cover Scale



D5204

Sino Digital Readout Lathe Mounting Bracket Kit



L258

Taper Turning Attachment



P235

Coolant Pump & Tank



L295

Quick Change Toolpost



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**L277**  
Vertical Mill Slide



**C980**  
5C Collet Lathe Adaptor



**L015**  
Right Hand Turning Tool Holder



**L016**  
Left Hand Turning Tool Holder



**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



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**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



**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



**S074**  
Cutting Tool Lubricant Paste - 500g



**G660**  
Lathe Leadscrew Cover Kit

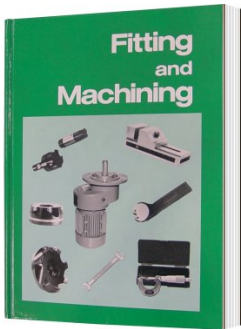


**G659**  
Lathe Leadscrew Cover Kit - Concertina

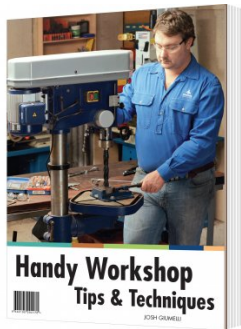


Product Brochure For L237

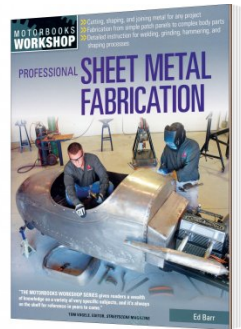
**L341**  
Fitting and Machining Technical Book



**L345**  
Handy Workshop Tips & Techniques - 1st Edition



**L3455**  
Professional Sheet Metal Fabrication Book



**L300**  
Magnetic Swarf Remover



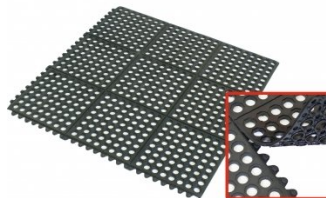
**M9991**  
Magnetic Floor Sweeper



**M800**  
Rubber Mat - Anti-Fatigue



**M805**  
Rubber Mat - Anti-Fatigue



**O043**  
Rust & Corrosion Preventive



**O042**  
General Purpose Lubricant & Corrosion Inhibitor



**O044**  
Rust & Corrosion Preventive

