

## Product Brochure For L237

### AL-960B - Centre Lathe

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

**Ex GST**  
**\$6,290.00**

**Inc GST**  
**\$6,919.00**



|   |                |
|---|----------------|
| 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
- Gear driven headstock for quick change of spindle speeds
- Precision V- beds are hardened and ground
- Adjustable taper roller bearings support the spindle
- Change gears for metric and imperial thread cutting

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- 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

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

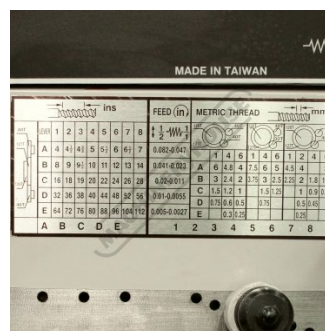
Spindle Speed Chart



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



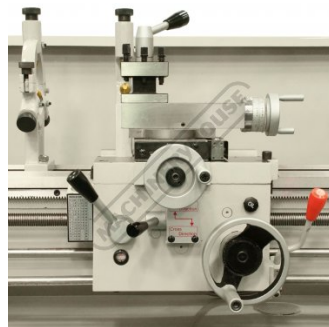
Removable Gap Bed Way



Fixed & Travelling Steadies



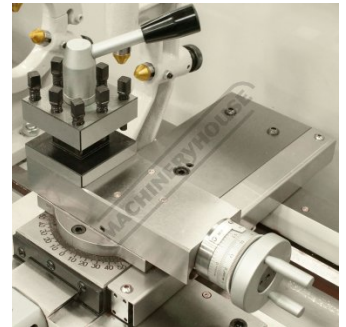
Saddle Left View



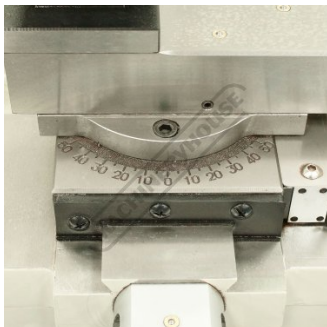
Saddle Front View



Saddle Right View



Compound Slide



Compound Slide Angle Scale



Toolpost



Thread Chasing Dial



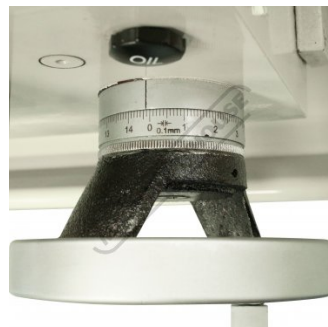
Feed and Threading Engagement Levers



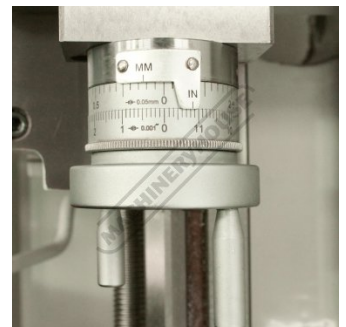
Spindle Engagement Lever



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



D5209

170mm Sino Digital Readout Scale



D5229

920mm Sino Digital Readout Scale



D5249

Scale - Backing Plate & Cover



D5204

Sino Digital Readout Lathe Mounting Bracket Kit



L258

Taper Turning Attachment



P235

Coolant Pump & Tank



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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



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



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C290

Heavy Duty Drill Chuck - Keyed Type



C294

Industrial Drill Chuck - Keyless Type



D443A

3MT x JT3 Drill Chuck Arbor



D1282

Imperial Precision HSS Drill Set - 29 Piece



D1272

Metric Precision HSS Drill Set - 25 Piece



D126

Metric 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



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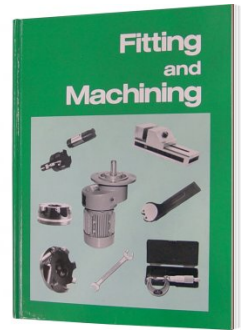
**G660**  
 Lathe Leadscrew Cover Kit



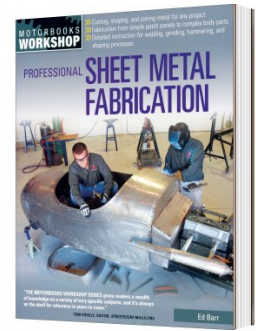
**G659**  
 Lathe Leadscrew Cover Kit - Concertina



**L341**  
 Fitting and Machining Technical Book



**L3455**  
 Professional Sheet Metal Fabrication Book



**L300**  
 Magnetic Swarf Remover



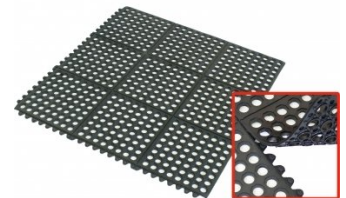
**M9991**  
 Magnetic Floor Sweeper



**M800**  
 Rubber Mat - Anti-Fatigue



**M805**  
 Rubber Mat - Anti-Fatigue



**O000**  
 SpillFix Universal Organic Absorbent



**O000A**  
 Natural Zeolite Absorbent



**O043**  
 Rust & Corrosion Preventive - Penetrant & Lubrication



**O042**  
 General Purpose Lubricant & Corrosion Inhibitor



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O040

Rust & Corrosion Preventive -  
Penetrant & Lubrication



O044

Rust & Corrosion Preventive -  
Penetrant & Lubrication

