

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



On Sale

Ex GST	Inc GST
\$9,260.00	\$10,649.00
\$8,400.00	\$9,660.00

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

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- 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
- 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

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

MADE IN TAIWAN													
FEED (in)	METRIC THREAD								FEED (mm)				
	1	2	3	4	5	6	7	8	1	2	3	4	
A	4	4	4	5	5	6	6	7	8	8	8	9	9
B	8	9	9	10	11	12	13	14	15	16	17	18	19
C	16	18	19	20	22	24	26	28	30	32	35	38	42
D	32	36	38	40	44	48	52	56	60	65	70	75	80
E	64	72	75	80	88	96	104	112	120	130	140	150	160

Feed and Threading Charts

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Safety Chuck Guard



3 Jaw Chuck



40mm Spindle Bore



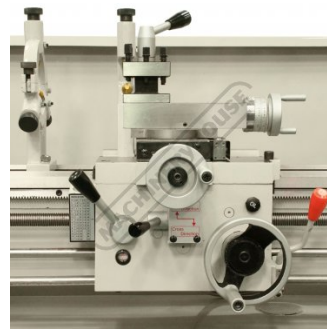
Removable Gap Bed Way



Fixed & Travelling Steadies



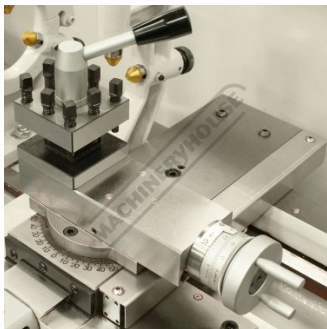
Saddle Left View



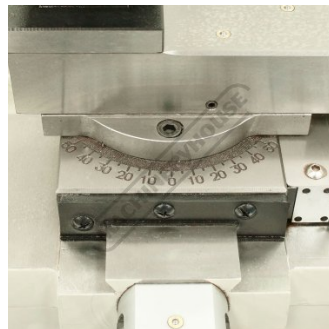
Saddle Front View



Saddle Right View



Compound Slide



Compound Slide Angle Scale



Toolpost



Thread Chasing Dial



Feed and Threading Engagment Levers



Spindle Engagement Lever

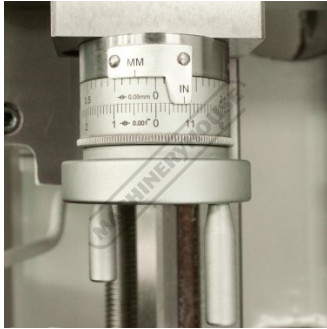


Cross Feed Dial Graduations



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



S074

Cutting Tool Lubricant Paste - 500g



G660

Lathe Leadscrew Cover Kit



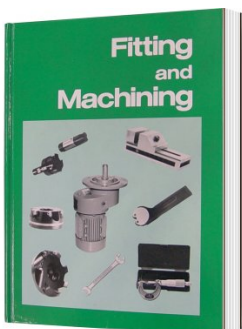
G659

Lathe Leadscrew Cover Kit - Concertina



L341

Fitting and Machining Technical Book



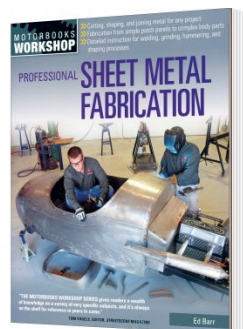
L345

Handy Workshop Tips & Techniques - 1st Edition



L3455

Professional Sheet Metal Fabrication Book



L300

Magnetic Swarf Remover



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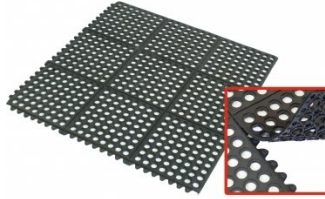
M9991
Magnetic Floor Sweeper



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O044
Rust & Corrosion Preventive

