

HAFCO-METALMASTER AL-1000C



Centre Lathe

Ø360 x 1000mm Turning Capacity - Ø40mm Spindle Bore



HAFCO-METALMASTER Centre Lathe AL-1000C



2 Axis Digital Readout



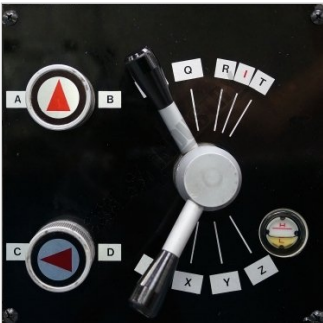
Headstock Controls



Control Panel

A	B	C
300	2000	1400
82	550	400
165	1100	770

Speed Chart



Feeds & Threads Gearbox Controls

T.P.I		INCH				
P	Q	R	R	Q	R	R
X	X	X	X	X	X	X
60	65	60	60	57	60	69
A	D	3	3 1/4	4	4 1/2	4 3/4
B	D	6	8 1/2	8	9	9 1/2
A	C	12	13	16	18	19
B	C	24	26	32	36	38
FEED		INCH		MM		
I	W	X	Y	Z		
A	D	0.021	0.0295	0.0368	0.0226	
B	D	0.0105	0.0148	0.0184	0.0113	
A	C	0.0053	0.0072	0.0092	0.0056	
B	C	0.0026	0.0036	0.0046	0.0028	

Imperial Thread Chart

PITCH		MM				
R	Q	R	Q	Q	Q	Q
W	W	W	W	X	W	X
A	D	3.2	4.0	4.8	5.0	5.6
B	D	1.6	2.0	2.4	2.5	2.8
A	C	0.8	1.0	1.2	1.25	1.4
B	C	0.4	0.5	0.6	0.7	0.75
FEED		MM		MM		
I	W	X	Y	Z		
A	D	0.533	0.749	0.935	0.574	
B	D	0.266	0.375	0.467	0.287	
A	C	0.134	0.182	0.233	0.142	
B	C	0.066	0.091	0.116	0.071	

Metric Thread Chart



Saddle Controls



Saddle Right View



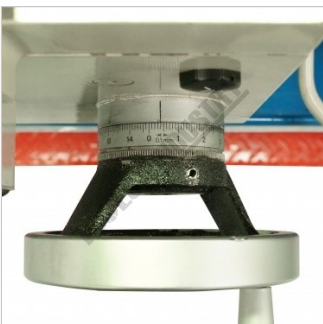
Thread Chasing Dial



Thread & Feed Engagement Levers



Spindle Engagement Lever



Saddle Hand Wheel



3 Point Fixed Steady



2 Point Travelling Steady

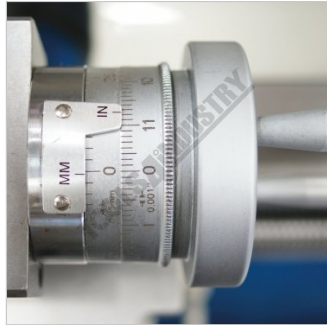


Swivel Compound with Scale

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Compound Slide with 4-Way Toolpost



Compound Dial



Cross Slide Dial



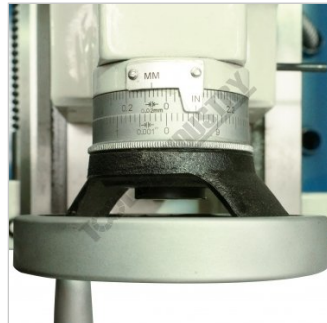
Flexible Coolant Hose



Safety Chuck Guard



Tailstock



Tailstock Hand Wheel



Tailstock Offset Adjustment



Hardened & Ground Bedways



Slide Out Swarf Tray



Foot Brake

Description

Manufactured in Taiwan

Tool room quality precision lathe and have been sold for over 20 years

HAFCO-METALMASTER Centre Lathe AL-1000C**Features**

- 2 Axis digital readout system
- Gear drive headstock for quick change of spindle speeds
- Nachi Japanese made bearings supporting headstock spindle
- Stand increasing rigidity and reducing vibration
- Precision 'V'-beds are hardened and ground, incorporating a rigid webbed casting
- 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
- Overload protection on drive motor and coolant system
- 2hp 240V motor, 9-speed (82 - 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)
- Coolant system with flexible hose
- Slide out swarf tray

Includes

- 2 Axis digital readout system
- Concertina leadscrew cover
- Slide out front swarf tray
- 160mm 3-jaw chuck with reverse jaws
- 200mm 4-jaw chuck
- Face plate
- Fixed steady
- Travelling steady
- Change gears
- Dead centres
- Thread-chasing dial
- Safety chuck guard
- Stand
- Foot brake
- Rear splash guard & swarf tray
- Tool box
- Instruction booklet

HAFCO-METALMASTER Centre Lathe AL-1000C

Specifications

ORDER CODE	L240D
MODEL	AL-1000C
Swing Over Bed (mm)	360
Distance Between Centres (mm)	1000
Spindle Bore (mm)	40
Swing In Gap (mm)	516
Swing Over Cross-slide (mm)	225
Digital Readout System Fitted	Yes
Quick Change Toolpost Fitted	Optional
Leadscrew Covers Fitted	Yes
Taper Turning Attachment	Optional
Coolant System	Yes
Tool Height To Suit (mm)	16
Centre Height (mm)	178
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)	175
Compound Slide Travel (mm)	100
Leadscrew Type	Imperial
Metric Cross Feed (X-Axis) (mm/rev)	~
Imperial Cross Feed (X-Axis) (inch/rev)	0.0013 - 0.0184
Metric Longitudinal Feed (Z-Axis) (mm/rev)	~
Imperial Longitudinal Feed (Z-Axis) (inch/rev)	0.0026 - 0.0368
Metric Thread Steps & Pitch (No. / mm)	30 (0.4 - 7.0)
Imperial Thread Steps & TPI (No. / TPI)	32 (4 - 56)
3 Jaw Chuck Diameter (mm)	160
4 Jaw Chuck Diameter (mm)	200
Spindle Steps / Speeds (No. / rpm)	9 (82 - 2000)
Motor Power (kW / hp)	1.5 / 2
Voltage / Amperage (V / amp)	240 / 15
Nett Weight (kg)	700