

HAFCO METALMASTER AL-1000D



Centre Lathe

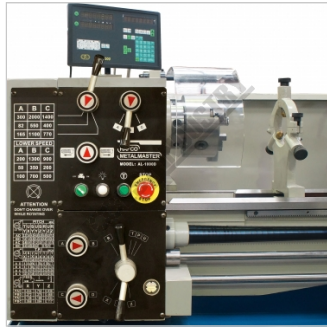
356 x 1000mm Turning Capacity - 40mm Bore



HAFCO METALMASTER AL-1000D Centre Lathe



2 Axis Digital Readout



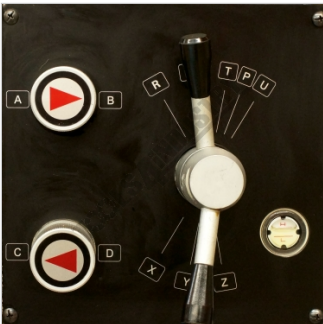
Headstock Controls



Control Panel

A	B	C
300	2000	1400
82	550	400
165	1100	770
LOWER SPEED		
A	B	C
200	1300	900
50	350	260
100	700	500

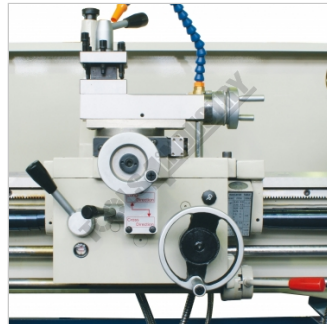
Speed Chart



Feeds & Threads Gearbox Controls

PITCH MM	
T	USURUR
Y	XYZZZZ
AD	32 38 40 48 50 56 60 70
BD	16 17 20 24 25 28 30 35
AC	0.025 0.011 0.125 0.141 0.157
BC	0.4 0.5 0.6 0.8 0.9 1.1
T.P.I. INCH	
U	STUTTTT
X	YXXXXXX
A	4 4.5 5 6 6.3 7 8 9 10 11 12 13 14
B	D 8 9 10 11 12 13 14
A	C 16 18 19 20 22 24 26 28
B	C 32 36 38 40 44 48 52 56
FEED MM	
X	Y Z
PAD	0.544 0.752 0.936
PBD	0.272 0.376 0.468
PAC	0.136 0.188 0.234
PBC	0.059 0.094 0.117

Thread Charts



Saddle Controls



Saddle Right View



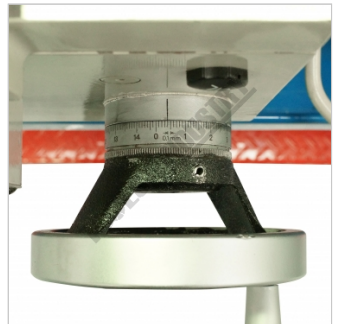
Thread Chasing Dial



Thread Engagement Levers



Spindle Engagement Lever



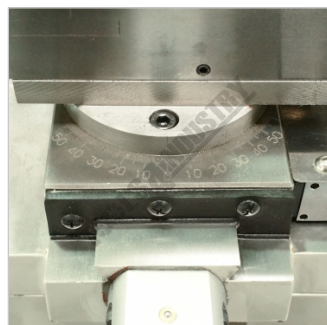
Saddle Hand Wheel



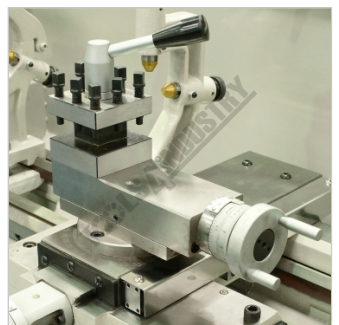
3 Point Travelling Steady



Travelling Steady

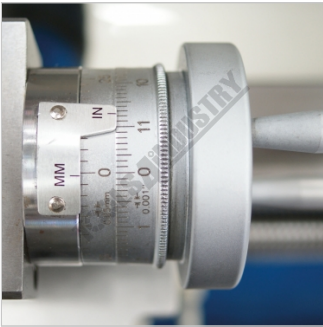


Swivel Compound with Scale

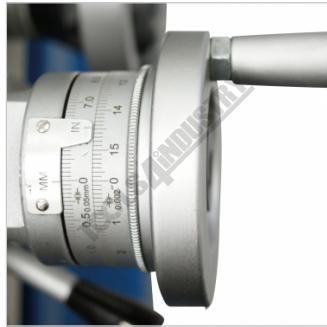


Compound Slide with 4-Way Toolpost

HAFCO METALMASTER AL-1000D Centre Lathe



Compound Dial



Cross Slide Dial



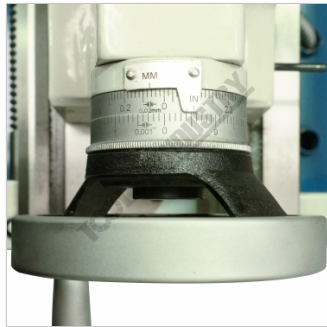
Flexible Coolant Hose



Safety Chuck Guard



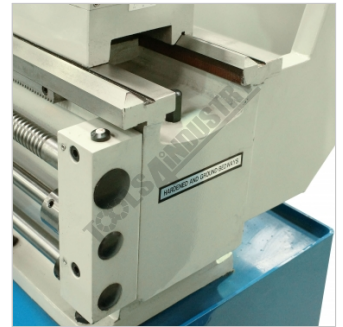
Tailstock



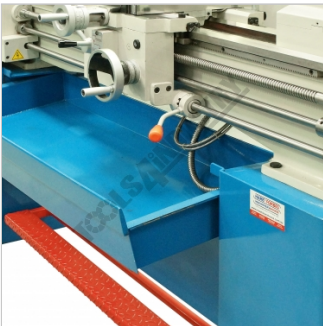
Taistock Hand Wheel



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 AL-1000D Centre Lathe

Features

- 2 axis digital readout system
- Gear drive headstock for quick change of spindle speeds
- 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
- 3hp 415V motor, 18-speed (50 - 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 AL-1000D Centre Lathe

Specifications

ORDER CODE	L242D
Model	AL-1000D
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	16mm
Distance Between Centres	1000mm
Swing Over Bed	356mm
Swing Over Cross-slide	225mm
Swing In Gap	516mm
Centre Height	178mm
Spindle Bore	40mm
Spindle Nose Size or Type	D1-4 Camlock
Bed Width	190mm
Headstock Spindle Taper	5MT
Tailstock Taper	3MT
Cross Slide Travel	175mm
Compound Slide Travel	100mm
Leadscrew	Metric
Cross Feed Range (X-Axis)	0.033-0.468mm/rev
Longitudinal Feed Range (Z-Axis)	0.066-0.936mm/rev
Metric Thread Steps & Pitch Range	30 (0.4-7.0mm)
Imperial Thread Steps & TPI Range	32 (4-56TPI)
3 Jaw Chuck Diameter	160mm
4 Jaw Chuck Diameter	200mm
Spindle Steps / Speed Range	18 (50-2000rpm)
Motor Power	2.25kW / 3hp
Voltage	415V
Weight (nett)	720kg