

HAFCO-METALMASTER AL-1440V**Centre Lathe****Ø356 x 1000mm Turning Capacity - Ø51mm Spindle Bore**

HAFCO-METALMASTER Centre Lathe AL-1440V



3 Axis Digital Readout



Headstock Controls



Control Panel

		PITCH MM									
		M	L	K	L	K	J	N	J		
A D	3.2	3.6	4.0	4.5	4.8	5.0	5.6	6.0	7.0		
B D	1.6	1.8	2.0	2.25	2.4	2.5	2.8	3.0	3.5		
A C	0.8	0.9	1.0	1.2	1.25	1.4	1.5	1.75			
B C	0.4	0.45	0.5	0.6	0.7	0.75					

		FEED $\frac{1}{\text{rev}}$				
		P	P	P	P	P
A D	0.935	0.831	0.748	0.623	0.534	
B D	0.467	0.415	0.374	0.311	0.267	
A C	0.230	0.207	0.187	0.155	0.133	
B C	0.116	0.103	0.093	0.077	0.066	

Feed Charts

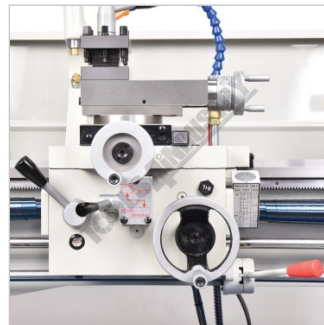


Feeds and Threads Gearbox Levers

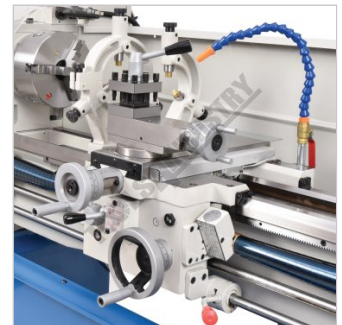
		T.P.I. INCH									
		N	M	M	M	M	M	M	M		
A D	4	4 1/2	5	5 1/2	6	6 1/2	7				
B D	8	9	10	11	11 1/2	12	13	14			
A C	16	18	20	22	23	24	26	28			
B C	32	36	40	44	46	48	52	56			

		FEED INCH				
		P	P	P	P	P
A D	0.0080	0.0077	0.0074	0.0070	0.0067	
B D	0.0160	0.0153	0.0147	0.0142	0.0136	
A C	0.0080	0.0077	0.0074	0.0070	0.0067	
B C	0.0040	0.0038	0.0037	0.0035	0.0033	

Thread Charts



Saddle Controls



Saddle Right View



Thread Chasing Dial



Thread Engagement Lever



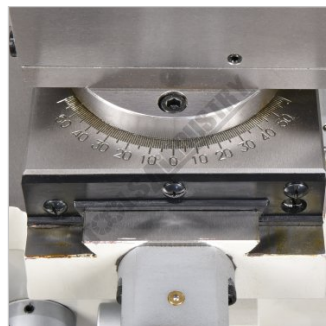
Spindle Engagement Lever



3 Point Fixed Steady



2 Point Travelling Steady



Swivel Compound Slide



Compound Slide with 4 Way Toolpost



Compound Slide Dial Graduations

HAFCO-METALMASTER Centre Lathe AL-1440V



Cross Slide Feed Dial Graduations



Saddle Hand Wheel



Flexible Coolant Hose



3 Jaw Camlock Chuck



Safety Chuck Guard



Tailstock



Tailstock Hand Wheel Dial Graduations



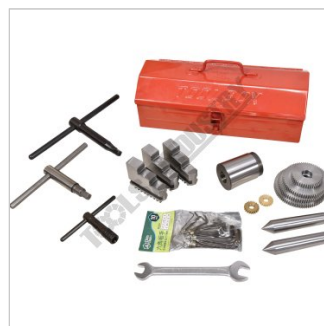
Tailstock Offset Adjustment



Hardened and Ground Bedways



Foot Brake



Toolbox with Accessories



Change Gear Train



Front View



Left View



Left Side View



Rear View

HAFCO-METALMASTER Centre Lathe AL-1440V

Rear Left View

Description

Toolroom-quality precision lathe, made in Taiwan by the same manufacturer as the renowned AL-960B & AL-1000C/D models.

Features

- Yasakawa Electric Varispeed high-performance, Low-noise, Inverter drive
- Variable speed 30-2200rpm with high/low speed selector
- Nachi Japanese made, adjustable taper roller bearings support the spindle
- 51mm spindle bore
- Precision 'V'-beds are hardened and ground, incorporating a rigid webbed casting
- One piece heavy steel fabricated stand
- Chuck guard with safety micro switch cut out
- Foot operated spindle brake with safety cut out switch
- 230mm wide induction hardened heavy duty cast iron bed
- Removable gap bed-way for larger diameter jobs
- Powered longitudinal and cross feeds
- Overload clutch mechanism on auto power feed
- Dual calibrated dials (except for saddle hand wheel)
- Enclosed quick action gearbox for thread cutting and auto feeding
- Inching button is incorporated on the control panel
- Coolant system with flexible hose
- Oil sight glass for head stock and gearbox
- Change gears for metric and imperial thread cutting
- D1-5 camlock spindle for quick chuck removal
- Overload protection on drive motor and coolant system
- 3.75kw-5HP - 240V 3 Phase motor (runs on 15amp - 240V power)
- Emergency stop switches fitted to headstock and tailstock plinth

HAFCO-METALMASTER Centre Lathe AL-1440V

Includes

- 2 axis digital readout system
- 200mm 3-jaw chuck with reverse jaws
- 200mm 4-jaw chuck
- Face plate
- 4-Way toolpost
- Fixed steady
- Travelling steady
- Telescopic leadscrew cover
- Change gears
- Dead centres
- Thread-chasing dial
- Safety chuck guard
- Stand
- Foot brake
- Rear splash guard
- Tool box
- Instruction booklet

Specifications

ORDER CODE	L245VS
MODEL	AL-1440V
Swing Over Bed (mm)	356
Distance Between Centres (mm)	1000
Spindle Bore (mm)	51
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	D1-5 Camlock
Bed Width (mm)	230
Headstock Spindle Taper (MT)	6
Tailstock Taper (MT)	3
Cross Slide Travel (mm)	175
Compound Slide Travel (mm)	100
Leadscrew Type	Metric
Metric Cross Feed (X-Axis) (mm/rev)	0.033 - 0.467
Imperial Cross Feed (X-Axis) (inch/rev)	~
Metric Longitudinal Feed (Z-Axis) (mm/rev)	0.066 - 0.935
Imperial Longitudinal Feed (Z-Axis) (inch/rev)	~
Metric Thread Steps & Pitch (No. / mm)	32 (0.4 - 7.0)
Imperial Thread Steps & TPI (No. / TPI)	32 (4 - 56)

HAFCO-METALMASTER Centre Lathe AL-1440V

3 Jaw Chuck Diameter (mm)	200
4 Jaw Chuck Diameter (mm)	200
Spindle Steps / Speeds (No. / rpm)	Variable (30 - 2200)
Motor Power (kW / hp)	3.75 / 5
Voltage / Amperage (V / amp)	240 / 15
Nett Weight (kg)	840