

HAFCO-METALMASTER AL-356**Centre Lathe****Ø356 x 1000mm Turning Capacity - Ø51mm Spindle Bore**

HAFCO-METALMASTER Centre Lathe AL-356



2 Axis Digital Readout



Spindle Speed Selectors



Headstock Controls



Gearbox Feed Dials

leadscrew threads: 4mm

a	30T									
b	40T									
LEVER	4	1	4	2	3	1	3	3		
	T	T	R	S	S	U	R	U		
A D	10	8.0	7.5	6.0	5.6	4.8	4.5	3.6		
B D	5.0	4.0	3.75	3.0	2.8	2.4	2.25	1.8		
A C	2.5	2.0	1.875	1.5	1.4	1.2	1.125	0.9		
B C	1.25	1.0	0.9375	0.75	0.7	0.6	0.5625	0.45		

Metric Thread Chart

leadscrew threads: 4mm

a	40T									
b	40T									
LEVER	1	2	1	3	3					
	T	S	U	R	U					
A D	2 1/4	3	3 1/4	4	5					
B D	4 1/2	6	7 1/2	8	10					
A C	9	12	15	16	20					
B C	18	24	30	32	40					

Imperial Thread Chart

Cross screw threads: 2.5mm

a	30T									
LEVER	OT	OS	OR	OU						
A D	1.044	0.975	0.783	0.627						
B D	0.298	0.278	0.224	0.179						
A C	0.522	0.487	0.392	0.313						
B C	0.149	0.139	0.112	0.089						
A D	0.261	0.244	0.196	0.157						
B D	0.075	0.070	0.056	0.045						
A C	0.131	0.122	0.098	0.078						
B C	0.037	0.035	0.028	0.022						

Longitudinal and Cross feed Chart

INDICATOR TABLE						
mm	0.5	0.6	1.5	3.0	4.5	6.0
27T	1/5/9					
28T	0.7					
30T	1.25					
OT	1.0					

Indicator Table For Thread Chasing



3 Jaw Chuck and Safety Guard



Quick Change Toolpost



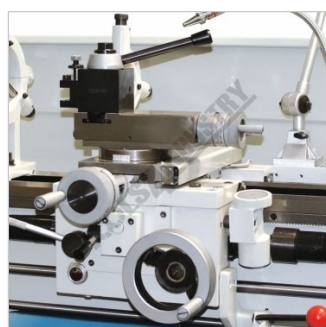
Swivel Compound Table



Fixed and Travelling Steadies



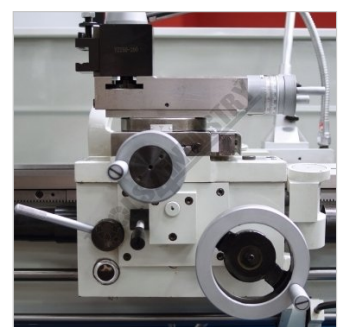
LED Work Light and Coolant Hose



Saddle Right View

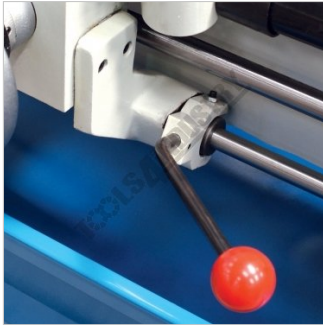


Feed And Screw Cutting Lever



Saddle Front View

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Spindle Engagement Lever



Thread Chasing Dial



Cross Feed Handwheel



Saddle Feed Handwheel



Compound Slide Handle



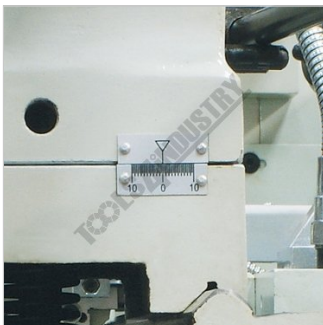
Leadscrew Covers



Tailstock



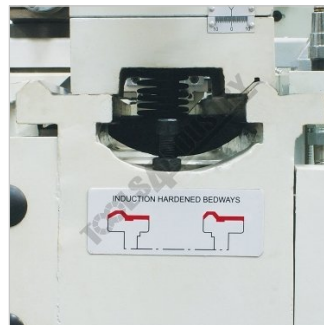
Tailstock Quill Graduations



Adjustable Tailstock



Tail Stock Feed Handwheel



Induction Hardened Bed Ways



Slideout Swarf Tray



2 Speed Switch

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Features

- 2 Axis digital readout system
- Quick change toolpost with 4 holders
- Concertina leadscrew cover
- Gear drive headstock for quick change of spindle speeds
- 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
- 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
- D1-5 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)
- Chuck & change gear guards are fitted with micro switches
- Coolant system with flexible hose
- Low voltage LED work light
- Slide out swarf tray

Includes

- 2 Axis digital readout system
- Concertina leadscrew covers
- Slide out front swarf tray
- Quick change tool-post with 4 holders
- 200mm 3-jaw chuck with reverse jaws
- 200mm 4-jaw chuck
- Face plate
- Fixed steady
- Travelling steady
- Change gears
- Dead centres
- Thread-chasing dial
- LED Work light
- Stand
- Rear splash guard & swarf tray
- Tool box
- Instruction booklet

HAFCO-METALMASTER Centre Lathe AL-356

Specifications

ORDER CODE	L564E
MODEL	AL-356
Swing Over Bed (mm)	356
Distance Between Centres (mm)	1000
Spindle Bore (mm)	51
Swing In Gap (mm)	476
Swing Over Cross-slide (mm)	224
Digital Readout System Fitted	Yes
Quick Change Toolpost Fitted	Yes
Leadscrew Covers Fitted	Yes
Taper Turning Attachment	~
Coolant System	Yes
Tool Height To Suit (mm)	16
Centre Height (mm)	178
Spindle Nose Size or Type	D1-5 Camlock
Bed Width (mm)	187
Headstock Spindle Taper (MT)	6
Tailstock Taper (MT)	4
Cross Slide Travel (mm)	160
Compound Slide Travel (mm)	68
Leadscrew Type	Metric
Metric Cross Feed (X-Axis) (mm/rev)	0.022 - 0.298
Imperial Cross Feed (X-Axis) (inch/rev)	~
Metric Longitudinal Feed (Z-Axis) (mm/rev)	0.078 - 1.044
Imperial Longitudinal Feed (Z-Axis) (inch/rev)	~
Metric Thread Steps & Pitch (No. / mm)	32 (0.45 - 10)
Imperial Thread Steps & TPI (No. / TPI)	20 (2-1/4 - 40)
3 Jaw Chuck Diameter (mm)	200
4 Jaw Chuck Diameter (mm)	200
Spindle Steps / Speeds (No. / rpm)	16 (35 - 1900)
Motor Power (kW / hp)	1.8 / 2.4
Voltage / Amperage (V / amp)	415
Nett Weight (kg)	650