



AH 630

**High Precision Hydraulic & Manual Surface Grinders**



# Fostex

## SALIENT FEATURES

- **HEAVY DUTY** robust base structure and slides with excellent rigidity and capable to handle heavy jobs.
- **COLUMN & VERTICAL SLIDE** : Both Guideways are ground finished for high rigidity & z-axis Accuracy.
- **OIL LUBRICATION** : Magnet slide is immersed in oil bath and all other parts lubricated with Centralised lubrication pump.
- **WHEEL HEAD** : Spindle is mounted on a rigidly constructed spindle housing which runs on preloaded super precision anti friction Imported bearings which are grease packed for long life. Direct drive by flange mounted motor eliminate the vibrations.
- **MICROFEED** : The vertical feed movement is equipped with MICROFEED up to 0.002mm.
- **LATEST ELECTRIC CONTROL PANEL** : It is having LED'S, TC Contractors, AGI Rotary switch & soft touch push Buttons. An independent control box with an ergonomically designed panel offers a comfortable and convenient operation environment.

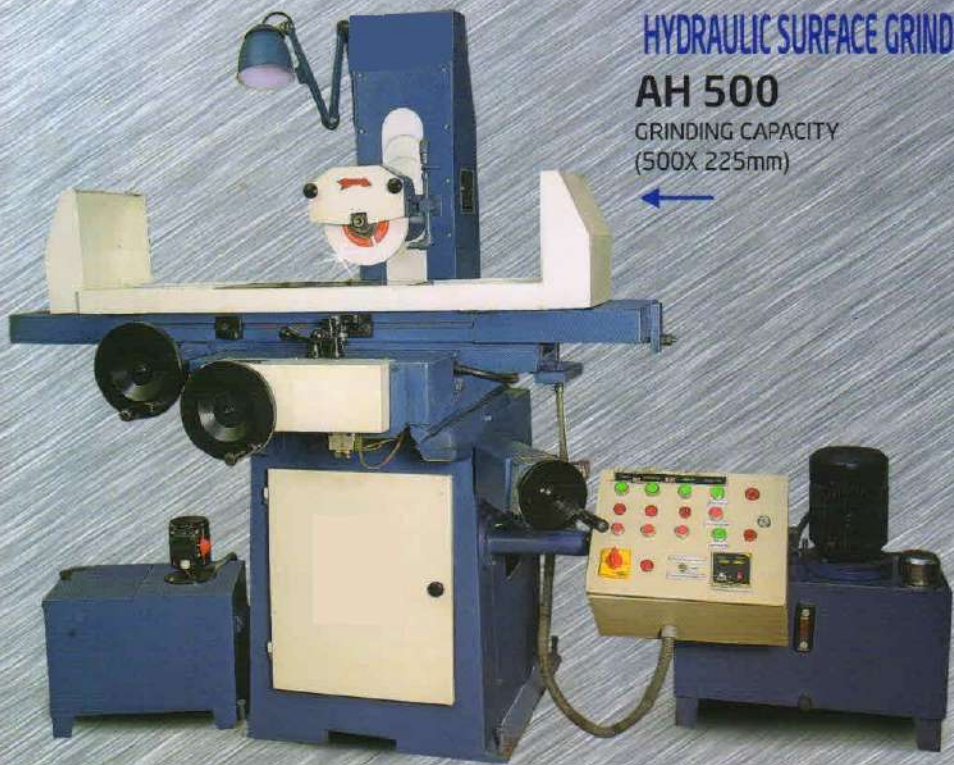


Improved Model  
**MANUAL SURFACE GRINDER**  
**M 1020 OT**  
GRINDING CAPACITY  
(500 X 225mm)

## WIDE BED SURFACE GRINDING MACHINE →



**AH 7540**  
GRINDING CAPACITY  
(750 X 400mm)



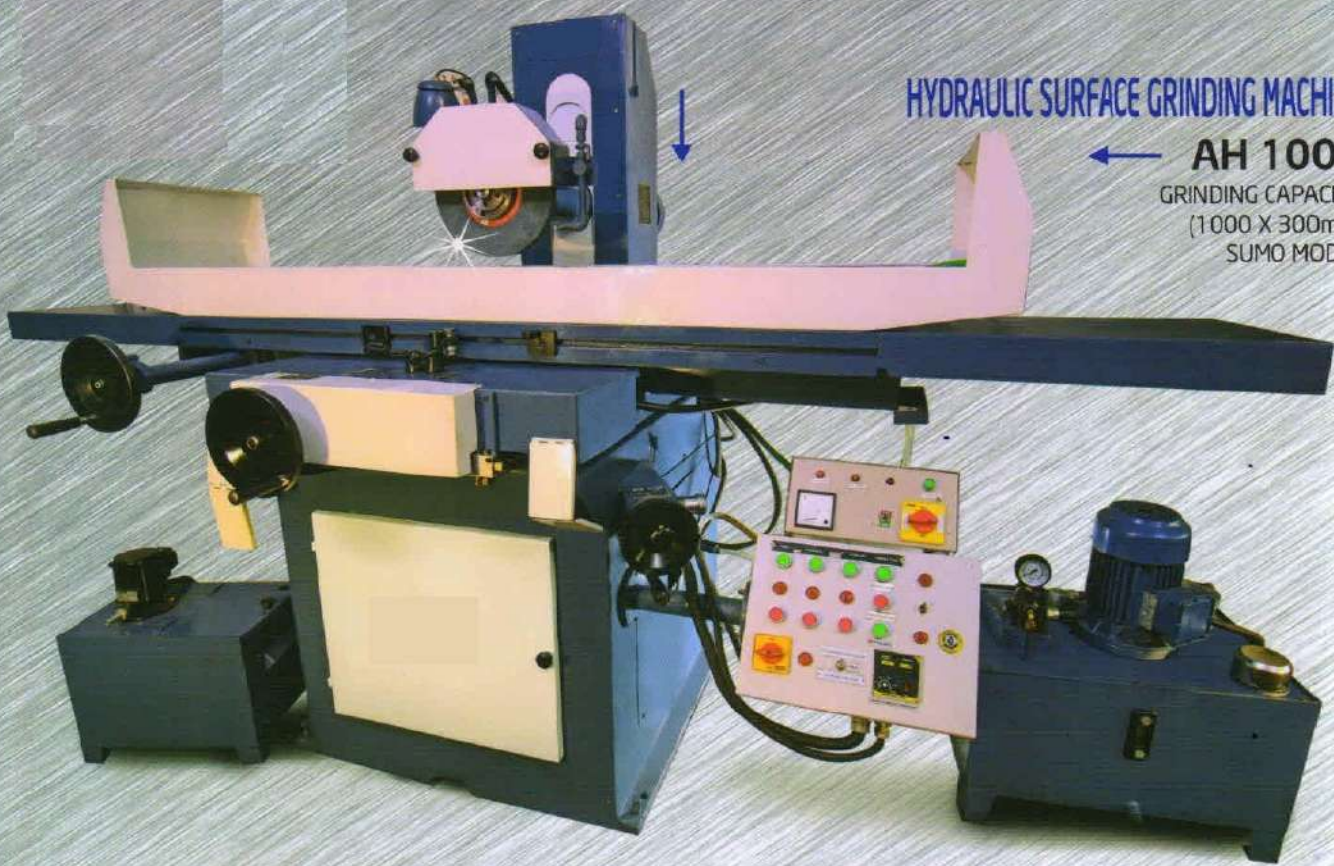
### HYDRAULIC SURFACE GRINDING MACHINE

#### AH 500

GRINDING CAPACITY  
(500X 225mm)



- **EXTRA FEATURES OF HYDRAULIC MACHINES** : Hydraulic Machines are equipped with Quality seals, Hard Chrome plated rod and Honned Cylinder.
- **POWER PACK** Equipped with relief value, pressure gauge, suction, branded hydraulic pump and works on low pressure. It is situated outside the machine body for better cooling.
- Machine is provided with stock adjustment stoppers. The Magnet slide is automatically lubricated through power pack.
- All hydraulic connections are connected by leak proof hydraulic fittings and Gates /Markwel hydraulic hosepipes.
- After completion of the job, the machine stops automatically
- Superior Quality, Accuracy and Prompt deliveries have gained us Reputation.



### HYDRAULIC SURFACE GRINDING MACHINE

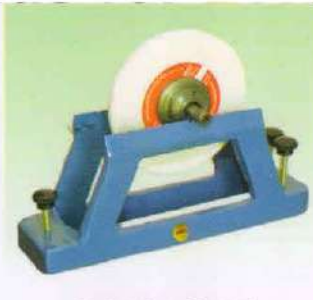
#### AH 1000

GRINDING CAPACITY  
(1000 X 300mm)  
SUMO MODEL





Centralized Lubrication Pump



Balancing Stand



Microfeed



Radius & Angular Dressing Attachment

Technical Specifications

SPECIFICATIONS (in mm)	MANUAL SURFACE GRINDERS			
MODELS	M - 914 OT	M - 1020 OT	M-1024 OT	M-1224 OT
Working Surface of Table	225x350	500 x 225	600 x 225	600 x 300
Max. Table Travel	250x365	525 x 250	625 x 250	625 x 300
Magnet Chuck Suitable	200x300	200 x 450	200 x 600	250 x 500
Max. Distance Centre of Spindle to Table	340	340	340	340
Vertical Down Feed on Hand Wheel	0.01	0.01	0.01	0.01
MICROFEED (Elevation)	0.002/1Div	0.002 /1Div.	0.002 /1Div.	0.002 /1Div.
Wheel Speed	2800 RPM	2800 RPM	2800 RPM	2800 RPM
Wheel Dimension Grinding	200X13X31.75	200 X13 X31.75	200 X19 X31.75	200 X19 X31.75
Spindle Motor 3 Phase	1 HP	1HP	1.5 HP	1.5 HP
Floor Area (Lx B x H) in Inches	80"X62"X64"	80"X62"X64"	115"X64"X71"	115"X64"X71"
Packing Size (Lx B x H) in Inches	46"X46"X68"	46"X46"X68"	50"X60"X72"	50"X60"X72"

**M 1224 OT**

GRINDING CAPACITY  
(300 X 600mm)



SPECIFICATIONS (in mm)	HYDRAULIC SURFACE GRINDERS							
MODELS	AH - 500	AH - 600	AH - 630	AH - 750	AH - 7540	AH - 1500	AH - 1000	
Working Surface of Table	500 x 225	600 x 250	600 x 300	750 x 300	750 x 400	1000 x 500	1000X300	
Max. Table Travel	525 x 250	625 x 260	625 x 310	760 x 310	760 x 400	1010 x 510	1015X310	
Magnet Chuck Suitable	200 x 450	200 x 600	300 x 600	250 x 750	300 x 750	1000 x 500	900X300	
Max. Distance Centre of Spindle to Table	390	410	410	410	525	465	465	
Vertical Down Feed on Hand Wheel	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
MICROFEED (Elevation)	0.002 /1Div.	0.002 /1Div.	0.002 /1Div.	0.002 /1Div.	0.002 /1Div.	0.002 mm	0.002 /1Div.	
Wheel Speed	2800 RPM	2800 RPM	2800 RPM	1400 RPM	1400 RPM	1400 RPM	1400 RPM	
Wheel Dimension Grinding	200 X19 X31.75	200 X19 X31.75	200 X19 X31.75	250 X25 X76	300 X25 X76	350 X40 X127	300 X 25 X76	
Spindle Motor 3 Phase	1HP	1.5 HP	1.5 HP	2 HP	3 HP	3 HP	3 HP	
Table Speed	8 - 15 m/min.	8 - 15 m / min.	8 - 15 m / min.	8 - 15 m / min.	8 - 15 m / min.	8 - 15 m / min.	8 - 15 m / min.	
Auto Cross Feed Increment	0.1 - 1.0 mm	0.1 - 1.0 mm	0.1 - 1.0 mm	0.1 - 1.0 mm	0.1 - 1.0 mm	0.1 - 1.0 mm	0.1 - 1.0 mm	
Cross Feed on Hand Wheel	.05mm=1 Gra - 5.00mm / 1 Rev.1 HP							
Hydraulic Pump Motor	1.5 HP	1.5 HP	1.5 HP	2 HP	2 HP	2 HP	2 HP	
Hydraulic Tank Capacity	45 Ltr.	75 Ltr.	75 Ltr.	75 Ltr.	80 Ltr.	85 Ltr.	80 Ltr.	
Floor Area (Lx B x H) in Inches	95"X58"X64"	95"X58"X70"	96"X60"X70"	128"X68"X71"	132"X80"X72"	150"X78"X72"		
Packing Size (Lx B x H) in Inches	66"X47"X72"	84"X56"X72"	84"X56"X72"	100"X60"X72"	100"X64"X74"			

**STANDARD ACCESSORIES**

- Diamond Dresser with Holder
- Spanner for Wheel Change
- Grinding wheel
- MICROFEED for Elevator
- Electric Panel
- Electric Motor and Operation Manual.

**OPTIONAL EQUIPMENTS AT EXTRA COST**

- Magnetic Chuck
- Work Light
- Wheel Adopter Puller
- MICROFEED for Cross Slide (In manual Model only)
- Centralised Lubrication Pump
- Wheel Balancing Stand with Mandrel
- Electro Magnetic Chuck with Rectifier.
- Coolant Pump with Tank & Flash Guard
- Angle & Radius Dressing Attachment
- Motorised Vertical Up and Down In Hydraulic Machine.
- Coolant Magnetic Separator
- DRO for vertical axis

**NOTE :** OT Stands for Manual Model Longitudinal move in Oil Dip on Carriage. 'AH' Automatic Hydraulic Longitudinal by hydraulic & cross feed by electrically control panel. The above specifications are not binding in detail and may changed without prior notice.