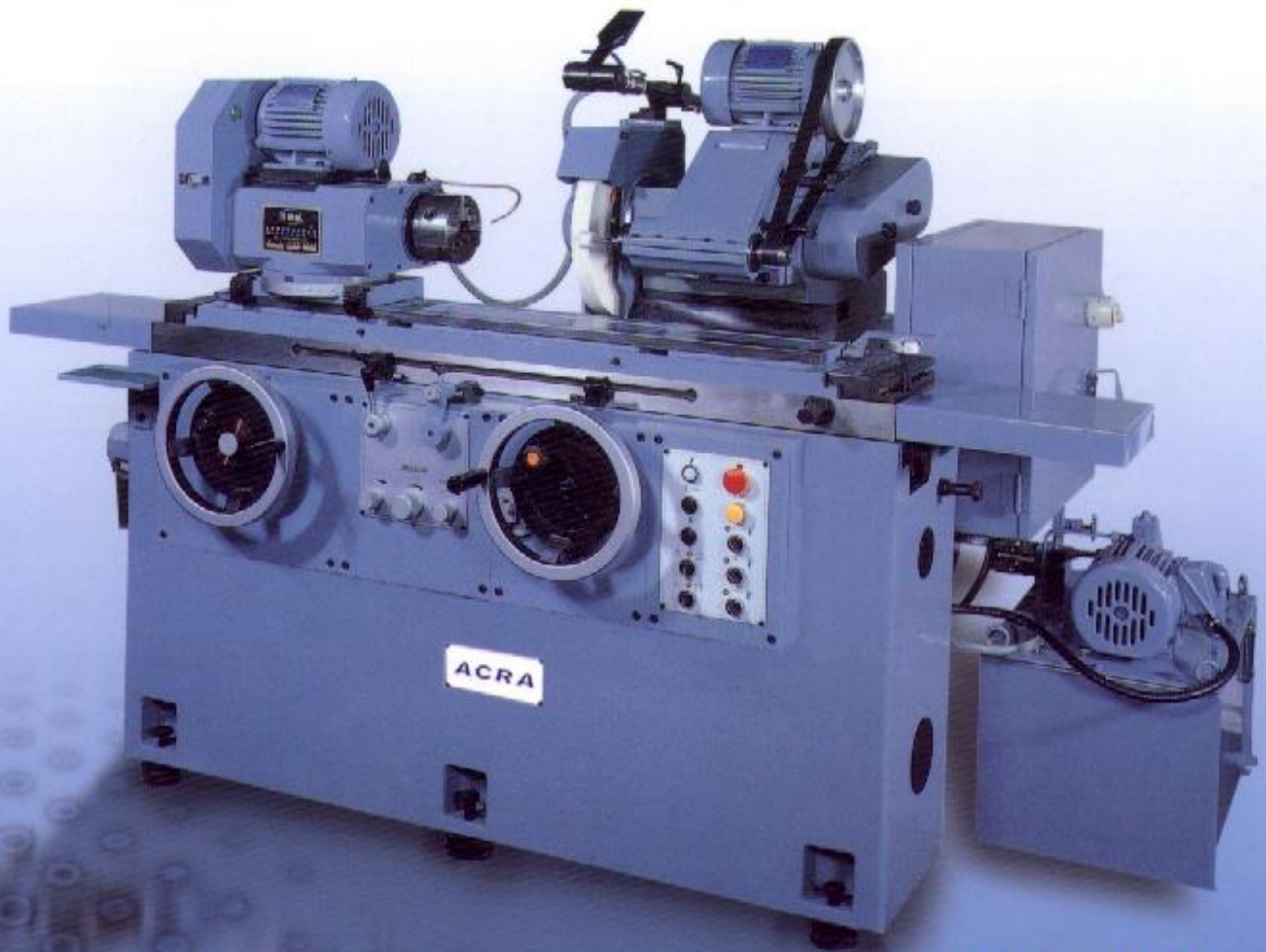


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UNIVERSAL EXTERNAL GRINDERS



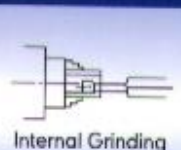
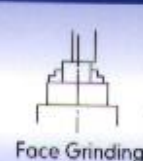
OUTSANDING FEATURES:

- One piece heavy cast iron stand with ribs
- Hydrodynamic bearings grinding wheel spindle
- Precision hand scrapped slide-ways
- Precision ground cross lead screw
- Forced lubrication to all moving ways
- High accuracy repeatability grinding wheel head reach $\pm 2.5 \mu\text{m}$

AEG-1120H

WITH INTERNAL GRINDING ATTACHMENT

UNIVERSAL CYLINDRICAL GRINDER



THE LEADER IN QUALITY AND RELIABILITY



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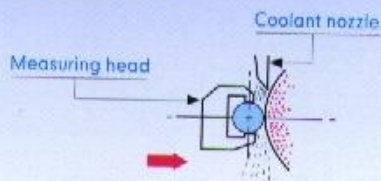


AEG-1240AGC

AUTOMATIC INFED

CONTROL PANEL

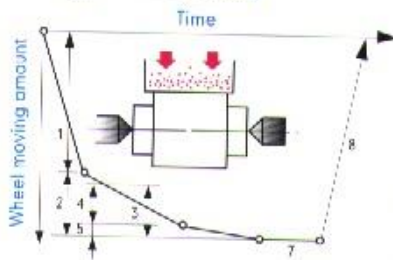
DAS: AUTOMATIC GAUGING GRINDING



In coordination with movement signal of AGC to operate automatic sizing device.

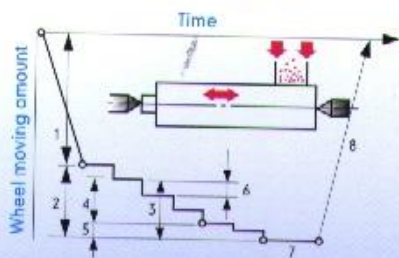
AGC: AUTOMATIC FEED GRINDING

I. Plunge Feed Grinding



- 1 Wheelhead rapid approach (1")
- 2 Set amount
- 3 Total grinding amount of workpiece

II. Traverse Feed Grinding



- 4 Rough feed grinding
- 5 Fine Feed grinding
- 6 Feed amount/time
- 7 Time of sparking out
- 8 Wheelhead rapid retraction

(Brand of automatic sizing device: MARPOSS or MOVOMATIC)



I. Standard Controls

- 11 Power ON/OFF light
- 12 Start button/LIGHT
- 13 Spindle motor switch
- 14 I.D. motor switch
- 15 Emergency (Panic) button
- 16 Hydraulic pump motor switch
- 17 Workhead motor switch
- 18 Coolant pump switch

II. Controls For Automatic Infeed

- 19 Auto infeed intermittent switch
- 20 Manual/Auto spindle infeed optional switch
- 21 Table traverse switch
- 22 Plunge/Traverse auto infeed optional switch
- 23 Left traverse switch (coarse infeed)
- 24 Right traverse switch (coarse infeed)
- 25 Left/Right optional control switch (fine infeed)
- 26 Traverse spark-out counter
- 27 Plunge spark-out timer
- 28 Rapid infeed stroke switch



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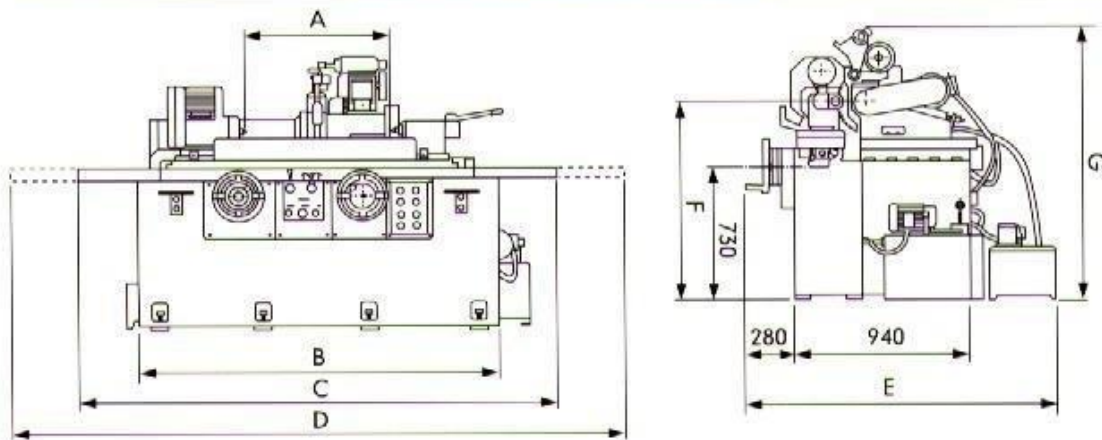
SPECIAL ACCESSORIES WITH ADDITIONAL COST

STANDARD ACCESSORIES:

- Grinding wheel flange and extractor 1set
- Grinding wheel balancing arbor 1set
- Carbide tipped center 2pcs.
- Lubricant system 1set
- Grinding wheels Diamond dresser holder 1set
- Table swiveling Dial indicator 1set
- Standard grinding wheel 1pc.
- Coolant system 1set
- Splash guard for coolant system 1set
- Tools and toolb... 1set
- Inspection report operation manual and spare parts list 1set

- Internal grinding attachment-0.75Kw (1HP) 20000 RPM
OPT-35000RPM
- 2 point-steady rest
- 3 point steady rest
- 3 jaw scroll chuck with backplate-125/160mm (5/6")
- Permanent round magnetic chuck-125/160mm (5/6")
- Coolant system with magnetic filter
- Dust collector
- Auto paper strip filter coolant system.-20L/40L
- Grinding wheel angle dressing attachment
- Grinding wheel radius dressing attachment
- Grinding wheel balancing stand
- Spare grinding wheel flanges
- Carbide tipped half round center
- Dog plates-6pcs/set
- Work rest-supporter-2pcs/set
- Hydraulic tail-stock
- Collets chuck for workhead with 7pcs collets
- Grinding wheel auto feed micro adjustable device.
- Grinding wheel hydraulic dressing attachment
- Automatic work piece loader

MACHINE DIMENSIONS



unit=mm/inch

	A	B	C	D	E	F	G
AEG1120	500/20"	1500/60	2140/84	2640/103	1980/78	1080/42	1600/63
AEG1420	500/20"	1500/60	2140/84	2640/103	1980/78	1120/44	1650/65
AEG1128	700/28"	1900/75	2720/106	3420/135	1980/78	1080/42	1600/63
AEG1428	700/28"	1900/75	2720/106	3420/135	1980/78	1120/44	1650/65
AEG1240	1000/40"	2800/112	4000/158	5000/196	2040/80	1065/42	1600/63
AEG1540	1000/40"	2800/112	4000/158	5000/196	2040/80	1105/43	1650/65
AEG1247	1200/48"	2800/112	4340/170	5340/210	2040/80	1065/42	1600/63
AEG1547	1200/48"	2800/112	4340/170	5340/210	2040/80	1105/43	1650/65

SPECIFICATIONS		AEG-1114/1120/1128	AEG-1420/1428	AEG-1240/1247	AEG-1540/1547
CAPACITY					
Centre height		135mm (5-1/2")	175mm (7")	150mm (6")	190mm (7-1/2")
Swing (Grinding diameter)		270mm (11")	350mm (14")	300mm (12")	380mm (15")
Centre distance (ginding length)		400 /550/750 mm		1000 mm (40") / 1200mm (47")	
Workpiece weight between centres.Max.		60/80 kgs (132/176 lbs)		150kgs(330lbs)	
Workpiece weight overhung incld chuck		20 kgs(44 lbs)		40kgs(88lbs)	
GRINDING HEAD & FEED					
Swivel angle R & L		±15°			
Standard Grinding wheel dimension		405x32-50x152.4mm		405x38-75x152.4mm	
Special Grinding wheel dimension		355x32-50x152.4mm			
Grinding wheel speed-RPM		1650/1850/2100		1650/1850	
Traverse distance		250mm (10")			
Rapid feed For "H" Sereis		25mm (1")opt.-40mm (1-1/2")		40mm (1-1/2")	
Automatic feed -Max only for AGC type		1.8mm (1/32")			
Automatic feed-Min only for AGC type		0mm			
Handwheel feed-rev		2mm (3/16")			
Handwheel feed-micro scale		5 Micron			
WORKHEAD					
Swivel angle-degree operator/grinding head		30°/90°			
Spindle speed-RPM		50Hz-50-250 60Hz-60-300		30 -150/60-300	
Spindle taper		MT#4		MT#4 opt.MT#5	
Spindle bore		25mm (1")			
TAILSTOCK					
Swivel angle-degree Operator/grinding head		6°/9°	4°/9°	4°/9°	4°/9°
Manual feed -one revolution		12.5mm (1/2")			
Automatic feedspeed for"A"and"H"seris		50-4000mm/min (2-160"/min)		50-3000mm/min (2-120"/min)	
MOTOR					
Wheel spindle		3.7Kw(5HP)		3.7Kw(5HP)opt.5.6Kw(7-1/2HP)	
Working Head spindle		0.4Kw(1/2HP)		0.75Kw(1HP) Disco motor	
Hydraulic pump		0.75Kw(1HP)		1.5Kw(2HP)	
Wheel spindle lub. pump		0.1Kw(1/8HP)			
Coolant pump		0.2Kw(1/4HP)			
wheel spindle lubrication tank	Litre/Gallon	24/ 6			
Hydraulic tank	Litre/Gallon	60/15		80/20	
Coolant tank	Litre/Gallon	80/20			
Net weight	Kgs	1800/2000/2300	2000/3000	3300,	3300,

*All specifications are subject to change without prior notice

REMARKS:

All models with 355mm grinding wheel-swivel +/-15degree.

If with 405mm grinding wheel -Models-AEG-1114/1120/1128 with 405mm grinding wheel not available to reaches +/-15 degree.

- "M"series -means "MANUAL" table traverse and wheel-head cross feeds
- "A" series -means Table traverse by HYDRAULIC, wheel head cross feeds by
- "H"series -means Table traverse by HYDRAULIC, wheel head with rapid approach and retraction. Wheelhead cross feed by MANUAL.
- "AGC" series -means Table traverse by HYDRAULIC, wheel head with rapid approach and retraction. Wheelhead cross feed by Automatic
- "DAS"series -means Table traverse by HYDRAULIC wheel head with rapid approach and retraction. Wheel head cross feed by automatic and Automatic sizing controller.

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