

## Precision Automatic Surface Grinders

**ESG-2A618**



**ESG-1A1020**



**ESG-818ASDII**



**ESG-1020ASDII**



## SPECIFICATIONS:

MODEL		ESG-1A618 2A618	ESG-3A618 618ASDII	ESG-1A818 2A818	ESG-3A818 818ASDII	ESG-1A1020 2A1020	ESG-3A1020 1020ASDII
Table size		152 x 460mm		203 x 460mm		254 x 508mm	
Max. grinding length	Longitudinal	480mm				520mm	
Max. grinding width	Crosswise	168mm		228mm		280mm	
Max.distance from table surface to spindle centerline		460mm				Standard column: 500mm Optional high column : 600mm	
Standard magnetic chuck size		150 x 450mm		200 x 450mm		250 x 500mm	
Longitudinal movement of table	Max. travel, hydraulic	480mm				580mm	
	Max. travel, manual	510mm				620mm	
	Max. travel , infinitely variable	60HZ,5-28m/min;50HZ,5-23m/min		60HZ,5-25m/min;50HZ,5-20m/min			
Cross transverse travel	Auto transverse increment	1-10mm				1-13mm	
	Auto constant feeding speed	20-320mm/min					
	Max. auto transverse travel	180mm		235mm		270mm	
	Max.manual transverse travel	195mm		250mm		300mm	
	andwheel per revolution	5mm					
	Handwheel per graduation	0.02mm					
wheelhead vertical infeed	Automatic infeed	-	0.001-0.05mm	-	0.001-0.05mm	-	0.001-0.05mm
	Step feed (jog)	-	0.001mm	-	0.001mm	-	0.01mm
	Rapid travel , approx	-	250mm / min	-	250mm/min	-	150mm/min
	Slow travel , approx	-	6mm / min	-	6mm/min	-	6mm/min
	Handwheel revolution	1mm ASD II : Min.display value : 0.001mm(no elevating handwheel)					
	Handwheel graduation	0.005mm ASD II : Min.display value : 0.001mm(no elevating handwheel)					
Grinding spindle drive	Speed	60HZ, 3450 R.P.M.; 50HZ, 2850 R.P.M.					
	Power rating	2.0HP				3.0HP	
Standard grinding wheel	Diameter	203mm					
	Width	12.7mm, Max. 19mm				19mm, MAX.25mm	
	Bore	31.75mm					
Hydraulic motor	Power rating	1HP x 6P				2.0HP x 6P	
Crossfeed motor	Power rating	40W x 6P				80W x 6P	
Elevating motor	Power rating	40W x 4P				80W x 6P	
Floor space	Total space required	1810 x 1133 x 1660mm		1810 x 1285 x 1680mm		2400 x 1450 x 1750mm	
Weights	Net weight, approx.	820KGS	850KGS	1170KGS	1205KGS	1780KGS	1810KGS
	Gross weight, approx.	970KGS	1000KGS	1375KGS	1375KGS	2130KGS	2160KGS
Rated power,approx.		3.0HP				5.0HP	5.2HP
Packing dimensions	L x H x W	1940 x 1400 x 1930	1980 x 1420 x 1930mm	1890 x 1540 x 1930mm	1890 x 1630 x 1930mm	2290 x 1830 x 2100mm	2480 x 2060 x 2100mm