

ESG SERIES

SURFACE GRINDING MACHINE

ESG6030 / ESG 8040 / ESG 10040

Precision Machining Specialists



Features

- Plastic coated counter guide in X & Y Axis assure a low slip-stick-effect
- V Flat longitudinal table guide, double V cross table guide
- Spindle features axial & radial clearance free pre-tensioned bearings
- Solidly constructed and well supported structure assures high stability
- Vertical feed with electric motor
- State of the art hydraulic system guarantees soft table even at high work Load
- Adjustable longitudinal and cross table movement via end stops
- Semi Automatic Type (Option of Automatic with AC servo motor for Z Axis with PLC)



Technical Specifications

SURFACE GRINDER SEMI AUTOMATIC			
Machine Specifications	ESG 6030	ESG 8040	ESG 10040
Table dimensions (mm)	300 x 600	400 x 800	400 x 1000
T-slot quantity / width (mm)	"1/14	"1/14	"1/14
Electric magnet clamping Plate (mm)	300 x 600	400 x 800	400 x 1000
Max. travel, longitudinal (mm)	640	830	1030
Max. travel, cross (mm)	320	420	420
Max. distance spindle / table (mm)	520	490	490
Max. Work piece weight including magnet clamping plate (kg)	200	270	320
Grinding wheel (mm)	350 x 30 x 75	350 x 30 x 127	350 x 30 x 127
Table speed, hydraulic (m/min)	" 3 - 20	" 7 - 20	" 7 - 20
Cross adjustment			
* Automatic adjustment, cross (mm/Stroke)	0.5 - 10	0.5 - 10	0.5 - 10
* Rapid feed, cross (mm/min)	990	990	990
Adjustment per hand wheel rotation (mm/rev.)	4	4	4
Scale division on hand wheel (mm)	0.02	0.02	0.02
Vertical adjustment			
* Automatic adjustment, vertical 0.01 / 0.1 mm	0.01 / 0.1	0.01 / 0.1	0.01 / 0.1
* Rapid feed, vertical 360 mm/min	360	360	360
Adjustment per hand wheel rotation 2 mm/rev.	2	2	2
Scale division on hand wheel (mm)	0.01	0.01	0.01
Motor power of sanding spindle (kW)	4	4	4
Spindle speed (rpm)	1440	1440	1440
Motor power of hydraulic pump (kW)	1.5	1.5	1.5
* Motor power of vertical feed (kW)	0.75	0.75	0.75
Length (mm)	2000	2550	3500
Depth (mm)	1650	1950	2050
Height (mm)	1850	2100	2250
Weight approx. (Kg)	1330	2100	2800
* FOR AUTOMATIC Type			

Standard Accessories :

Coolant Tank	Levelling Wedge & Bolt
Magnetic Chuck	Tool Box and Tools
Balancing Arbor	Standard Grinding Wheel
Wheel Extractor	Working Lamp
	Wheel Dresser Stand (Not Included Diamond Pen)

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An ISO 9001:2015 Certified Organisation

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