



EUROGUARCO

SADDLE MOVING SURFACE GRINDING

Model: SG40100AHD

Feature:

1. Designed for continuous operation at maximum speed, very quiet operation, maximum accuracy and minimal heat accumulation ensure optimum machining results
2. Grinding spindle runs in maintenance-free preloaded precision angular ball bearings
3. Automatic transverse and longitudinal feed
4. Rapid feed for setup to desired work height(HFS VC)
5. Adjustable roughing, finishing, and spark-out strokes hydraulic longitudinal table movement on Y axis(HFS VC)
6. Double table V-guide in transverse table, V-guide and flat guides in longitudinal table
7. Table guide ways are hardened, ground, and PTFE(polytetrafluorethylene)counterlaminated-ensuring maximum wear resistance
8. High table load capacity for heavy parts
9. External hydraulic unit ensures high temperature stability
10. Automatic central lubrication

AH: Auto cross feed, hydraulic longitudinal feed, manual vertical feed

AHR : Auto cross feed, hydraulic longitudinal feed, rapid vertical feed

AHD: Auto cross feed, hydraulic longitudinal feed, automatic vertic feed

Standard accessories:

- ◆ Wheel flange
- ◆ Balancing arbor
- ◆ Wheel exactor
- ◆ Coolant tank
- ◆ Working lamp
- ◆ Tool box and tools
- ◆ Wheel dresser stand not include diamond pen、
- ◆ Standard grinding wheel
- ◆ Leveling wedge and bolt
- ◆ Standard electro magnetic chuck
- ◆ Built in electro magnetic chuck controller
- ◆ PLC (AHD) \PLC auto grinding controller only for AHD models
- ◆ Y-AXIS WITH STEP MOTOR,
- ◆ Z—AXIS WITH SERVE MOTOR

Optional accessories:

- Electric Magnetic chuck
- Balance stand
- Wheel flange
- Coolant with magnetic separator and paper filter
- Parallel wheel dresser screw rod type
- ◆ MAGNETIC SEPARATOR

MODEL	Unit	SG2050H/A H	SGA2550AH	SGA3063AH	SGA30100A H	SGA4080AH	SGA40100A H
		SG2050AHR	SGA2550AH R	SGA3063AH R	SGA30100A HR	SGA4080AH R	SGA40100A HR
		SG2050AHD	SGA2550AH D	SGA3063AH D	SGA30100A HD	SGA4080AH D	SGA40100A HD
Table size(W x L)	mm	200x460	250x500	305x635	305x1020	406x813	406x1020
Max longitudinal travel	mm	510	560	765	1130	910	1130
Max cross travel	mm	238	275	340	340	450	450
Max distance from spindle center to table	mm	450	450	580	580	580	580
Electro magnetic chuck size	mm	200x460	250x500	300x600	300x1000	400x800	400x1000
Speed of table longitudinal movement	m/min	7-23					
Table transverse movement	Auto feed	mm/min	0.1-8				
	Rapid speed	mm/min	990				
	Feed of handwheel	Mm/div	0.02				
Wheelhead vertical movement	Auto feed	mm	(H/AH/AHR model)/0.005/0.01/0.02/0.03/0.04/0.05(Only for AHD model)				
	Rapid speed	Mm/min	(H/AH model) /460(for AHR model)	(H/AH model) /460(Only for AHR/AHD model)			
	Feed of handwheel	Mm/div	0.005				
Grinding wheel	Speed	rpm	2850(50Hz) 3450(60Hz)	1450(50Hz) 1750(60Hz)			
	Size	mm	200x20x31.75	350x40x127			
Spindle motor	kw	2.2	2.2	5.5			
Hydraulic motor	kw	0.75			2.2		
Cooling pump motor	kw	0.04			0.125		
Elevating motor	kw	(AH mode) 0.25(AHR mode) 0.5(AHD mode, servo motor)					
Cross feed motor	kw	0.04					
Max loading capacity of table	Kg	120	180	270	400	500	600
Total rated power	kw	33	3.7	9			
Height of machine	mm	1675			1890		
Floor space(LxW)	mm	2050x1400	2300x1600	2900x2200	4400x2200	3600x2400	4400x2400
Gross weight	kg	1600	1800	2900	3300	3500	4000
Package dimensions(LxWxH)	mm	1900x1720x2175	2000x2100x2175	2350x2220x2150	2950x2220x2210	2850x2270x2180	2950x2270x2210








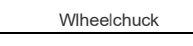





•• STANDARD ACCESSORY: -----

LEVEL SCREW AND WEDGES	1PC GRINDING WHEEL	1PC WHEEL CHUCK
WHEEL EXTRACTOR	TOOLS	COOLANT SYSTEM
WORKING LIGHT	WHEEL BALANCING ARBR	ELECTRO-MAGNETIC CHUCK
TABLE TYPE DRESSER BASE		

••• OPTIONAL ACCESSORY: -----

Accessory list	Order No.	Specification	Used for remark
 Electro-magnetic chuck	M2018	200*460MM P=15mm, force=S0-100N/cm'	SG2050series
	M2019	250*500MM P=15mm force=B0-100N/cm'	SGA2550 series
	M2020	300*600MM P=22mm force=80-100N/cm'	SGA3063 series
	M2021	300*1000MM P=22mm force=80-100N/cm'	SGA30100 series
	M2022	400*800MM P=22mm force=B0-100N/cm'	SGA4080series
	M2023	400*1000MM P=22mm force=S0-100N/cm'	SGA40100series
 Precision vise	M2024	Jaw width:50mm	All model
	M2025	Jaw width:80mm	
	M2026	Jawwidth*100mm	
	M2027	Jaw width:150mm	
 Punch former	M2028	Center height 80-81mm Max.R:48MM	All model
 Magnetic separator	M2029	Specification*25LMin Input : G1/2 inch Output: 114mm	For all model
 Coolant system with magnetic separator and dust paper meter	M2030	Specification*25Lmin Volume*140L	For all model

Accessory list	Order No.	Specification	Used for remark
 Coolant system with dust suction and magnetic separator	M2031	Specification:25L	For all model
 Sine vise	M2032	Machine jaw:73mm Center distance:100mm Max. angle: 0-45deg	For all model
 Two axis digital readout	M2033	320*520mm 0.001MM solution	SG2050 and SGA2550
	M2034	370*520mm 0.001MM solution	SGA3063/30100
	M2035	470*520mm 0.001MM solution	SGA4080/40100
 Slide type parallel dresser	M2036	Max.stroke:40mm	SG2050series SGA2550 series
 SC (new type) parallel	M2037	Max.stroke:60	SGA3063/30100series SGA4080/40100series.
 Wheelchuck	M2038	Spindle taper:1:4	SG2050/SGA2550series
 Wheelchuck	M2039	Spindle taper:1:5	SGA3063/30100 series SGA4080/40100 series
 Wheel balance stand	M2040	200*20*31..75mm	For SG2050series and SGA2550series
	M2041	350*40*127mm	FOR SGA3063series and SGA4080series
 Dresser diamond	M2042	010*60mm	For all model