

Phillips Surface Grinder

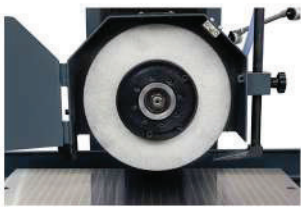
PSG Series | Saddle Moving Surface Grinder



PSG Saddle Moving Surface Grinder

The machine adopts a saddle moving structure, and the transverse guide rail is attached with Teflon material. A closed hydraulic system is provided for the worktable's movement. One can set the forward and backward feed, or the motor can drive the screw to feed intermittently automatically. The downward movement of wheel can be achieved by using the lifting motor for quick lifting (AHD) or the servo motor for quick lifting and automatic feeding (AHD) - this can also be accomplished manually. The machine uses a high precision sliding screw, high strength cast iron foundation. Wheel head spindle includes a precise angular contact rolling bearing, high rigid sleeve structure.

Standard Accessories



Grinding Wheel & Wheel Flange



Coolant Tank



Balancing Arbor



Working Lamp



Wheel Extractor



Wheel Dresser Stand

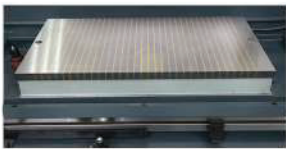


Siemens Touch Screen & PLC
auto grinding controller

Machine Specifications

SADDLE MOVING SURFACE GRINDER TECHICAL DATA		UNIT	PSG 2046AHD	PSG 2550AHD	PSG 3060AHD	PSG 4080AHD	PSG 40100AHD
Overall table working area		mm	200x460	250x500	300x600	400x800	400x1000
Max. Longitudinal table travel		mm	510	560	765	910	1130
Cross feed table travel		mm	238	275	340	450	450
Distance spindle center to table		mm	450	450	580	580	580
Table load including magnetic chuck		kg	120	180	270	500	600
Table & cross feed	T-slot	mm*N	14*1	14*1	14*3	14*3	14*3
	Longitudinal table speed	mm/min	7~23	7~23	7~23	7~23	7~23
	Cross feed on hand wheel 1 gra.	mm	0.02	0.02	0.02	0.02	0.02
	Cross feed on hand wheel 1 rev.	mm	5	5	5	5	5
	Auto cross feed per stroke	mm	0.1~8	0.1~8	0.1~8	0.1~8	0.1~8
	Power cross feed 50 Hz	mm/min	990	990	990	990	990
Grinding Wheel	Wheel dimension	mm	200*20*31.75	200*20*31.75	350*40*127	350*40*127	350*40*127
	Spindle speed 50 Hz	rpm	2850	2850	1450	1450	1450
Vertical movement	Vertical on handwheel 1 gra.	mm	0.005 [0.002]	0.005 [0.002]	0.005 [0.002]	0.005 [0.002]	0.005 [0.002]
	Vertical on handwheel 1 rev.	mm	4	4	1	1	1
	Auto down feed elevation	mm	0.005	0.005	0.005	0.005	0.005
	Power head increment 50 Hz	mm/min	240	240	240	240	240
Spindle Motor		KW*P	1.5	2.2	5.5	5.5	5.5
Power elevation motor		KW*P	servo motor	servo motor	servo motor	servo motor	servo motor
Hydraulic motor		KW*P	0.75	0.75	2.2	2.2	2.2
Coolant motor		W*P	40	40	125	125	125
Cross feed motor		W*P	40	40	80	80	80
Machine height		mm	1675	1675	1890	2150	1890
Floor space		mm	2050*1400	2300x1650	2900x2200	3600x2400	4400x2400
Net weight		kg	1500	1700	2500	3400	3900
Gross weight		kg	1600	1800	2600	3500	4000

Optional Accessories

Accessories	Specification
 Electro-magnetic chuck	200*460mm P=15mm, force=80-100N/cm² 250*500mm P=15mm, force=80-100N/cm² 300*600mm P=22mm, force=80-100N/cm² 300*1000mm P=22mm, force=80-100N/cm² 400*800mm P=22mm, force=80-100N/cm² 400*1000mm P=22mm, force=80-100N/cm²
 Precision Vise	Jaw width: 50mm Jaw width: 80mm Jaw width: 100mm Jaw width: 150mm
 Punch Former	Center Height: 80-81mm Max.R: 48mm
 Magnetic Separator	Specification: 50L/Min Input: G1 inch Output: 228
 Coolant System with Magnetic Separator and Paper Filter	Specification: 50L/Min Volume: 280L

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