

**Specifications:**

Model	PSG-C1545M		PSG-C1545H/AH		PSG-2550M	PSG-2550H PSG-2550AH
	PSG-C2045M	PSG-C2045H/AH	PSG-C2045M	PSG-C2045H/AH		
Working surface of table (mm)	150 x 450 (6' x 18") (for C1545) 200 x 450 (8' x 18") (for C2045)				250 x 500 (10' x 20")	
Max. table travel (mm)	185 x 500 (7' x 20") (for C1545) 235 x 500 (9' x 20") (for C2045)				270 x 550 (10.75' x 22")	
Max. surface ground (mm)	150 x 450 (6' x 18") (for C1545) 200 x 450 (8' x 18") (for C2045)				250 x 500 (10' x 20")	
Max. distance center of spindle to table	450 mm (18")				500 mm (20")	
Table speed	Manual	5 ~ 25 M/min		Manual	5 ~ 25 M/min	
Table guideway	Ball rolling way	V & Flat way		Ball rolling way	V & Flat way	
Auto. cross feed increment approx.	Manual	Manual (for H) 0.1mm x 12mm		Manual	Manual (for H) 0.1mm x 12mm	
Rapid power cross feed approx. (mm/min)	Manual	Manual (for H) 1100(60Hz) 900(50Hz)		Manual	Manual (for H) 1100(60Hz) 900(50Hz)	
Cross feed on hand wheel	1 rev 1 gra	5 mm (0.2") 0.02 mm (0.001")				
Rapid power head elevation approx. (Option)	60Hz 50Hz	550 mm/min (13"/min) (60Hz) 450 mm/min (11"/min) (50Hz)				
Vertical feed on hand wheel	1 rev 1 gra	2 mm (0.05") 0.01 mm (0.0002") (stand)/ 0.005 mm (0.0001") (with AD5)				
Vertical feed with M.P.G.	1 rev 1 gra					
Auto. down feed (Option)		0.001 mm ~ 0.999 mm/Time (0.0001" ~ 0.0999"/Time)				
Wheel speed	60Hz/50Hz	3500 R.P.M. (60Hz) / 2900 R.P.M. (50Hz)				
Wheel dimension		180 x 13 x 31.75 mm (max. 200 x 20 x 31.75) (7" x 0.5" x 1.25") (max. 8" x 0.75" x 1.25")				
Spindle motor		2 HP				
Hydraulic pump motor	None	1 HP		None	1 HP	
Auto. cross feed motor	None	25 W		None	1/5 HP	
Rapid head elevation motor		1/5 HP (Optional)				
Coolant pump		1/8 HP (Optional)				
Sound pressure level		below 78dB (A)				
Machine net weight	Kgs	870 (1914 Lbs) 920 (2024 Lbs)	950 (2090 Lbs) 1150 (2530 Lbs)	1200 (2640 Lbs)	1350 (2970 Lbs)	
Packing gross weight	Kgs	970 (2134 Lbs) 1020 (2244 Lbs)	900 (1980 Lbs) 1100 (2424 Lbs)	1400 (3080 Lbs)	1550 (3410 Lbs)	
Machine floor space	mm	1600 x 1100 (63" x 43")	2080 x 1200 (82" x 47")	2250 x 1450 (89" x 57")	2450 x 1450 (96" x 57")	
Packing dimensions (L x W x H)	cm	182 x 128 x 195 (72" x 51" x 77")	212 x 146 x 195 (84" x 58" x 77")	212 x 146 x 200 (84" x 58" x 79")	212 x 146 x 200 (84" x 58" x 79")	

**M:** M Series are 3 axes, manual.  
**H:** H Series are longitudinal (hydraulic) and cross feed/vertical axes are manual.  
**AH:** AH Series are auto. cross feed, longitudinal (hydraulic) and vertical axis is manual.  
**AHR:** AHR Series are auto. cross feed, longitudinal (hydraulic) and vertical axis travel is by AC servomotor.

\* The manufacturer reserves the right to modify the design and mechanism specifications, etc. without prior notice.  
 \* Above the C50100AHR Series are equipped with auto. cross feed, longitudinal (hydraulic), vertical axis driven by AC servomotor and operated by MPG. The AD5, can be added to become 3-axes fully automated thereby making operation more convenient.

- PSG-D4080AH** → 1. Table longitudinal travel by sensor & solenoid valve.  
 2. Continuous lubrication is a standard accessory.
- PSG-DL3060AH** → 1. Table longitudinal travel by sensor & solenoid valve.  
 2. Continuous lubrication is a standard accessory.
- PSG-DS3060AH** → 3. Auto crossing stroke adjustment.  
 3. Back water splash shield.

**Specifications:**

PSG-CS3060AH PSG-CL3060AH	PSG-DS3060AH PSG-DL3060AH	PSG-D4080AH	C50100AHR PSG-C60100AHR C70100AHR	C50150AHR PSG-C60150AHR C70150AHR	C50200AHR PSG-C60200AHR C70200AHR
300 x 600(12' x 24')	300 x 600(12' x 24')	400 x 800(16' x 32')	500 x 1020(20' x 40") 600 x 1020(24' x 40") 700 x 1020(28' x 40")	500 x 1520(20' x 60") 600 x 1520(24' x 60") 700 x 1520(28' x 60")	500 x 2020(20' x 80") 600 x 2020(24' x 80") 700 x 2020(28' x 80")
340 x 700(13' x 27')	340 x 700(13' x 27')	450 x 860(18' x 34')	560 x 1150(22' x 45") 660 x 1150(26' x 45") 760 x 1150(30' x 45")	560 x 1650(22' x 65") 660 x 1650(26' x 65") 760 x 1650(30' x 65")	560 x 2150(22' x 85") 660 x 2150(26' x 85") 760 x 2150(30' x 85")
300 x 600(12' x 24')	300 x 600(12' x 24')	400 x 800(16' x 32')	500 x 1020(20' x 40") 600 x 1020(24' x 40") 700 x 1020(28' x 40")	500 x 1520(20' x 60") 600 x 1520(24' x 60") 700 x 1520(28' x 60")	500 x 2020(20' x 80") 600 x 2020(24' x 80") 700 x 2020(28' x 80")
500 mm (20") [ Option: 600 mm (24") ]		550 mm (22")	600 mm (24") [ Option-800 mm (32") & 1000 mm (40") ]		
5 ~ 25 M/min (200' ~ 1000'/min)					
V & Flat way					
0.1 mm ~ 20 mm (0.004" ~ 0.8")					
1100 mm/min (44"/min) (60Hz) 900 mm/min (36"/min) (50Hz)					
5 mm (0.2") 0.02 mm (0.001")					
550 mm/min (13"/min) (60Hz)	260 mm (13"/min)	210 mm/min (8"/min) (60Hz) (Standard)			
450 mm/min (11"/min) (50Hz)	220 mm (11"/min)	180 mm/min (7"/min) (50Hz) (Standard)			
2 mm (0.05") 0.01 mm (0.0002")	2 mm (0.05") 0.005 mm (0.0001")	2 mm (0.05") 0.01 mm (0.0002")			
(x1) 0.1mm (0.01") (x5) 0.5mm (0.05") (x10) 1mm (0.1") (x1) 0.001mm (0.0001") (x5) 0.005mm (0.0005") (x10) 0.01mm (0.001")					
0.001 mm ~ 0.999 mm/Time (0.0001" ~ 0.0999"/Time) (Option)					
1750 R.P.M. (60Hz) / 1450 R.P.M. (50Hz)					
S: 180 x 13 x 31.75mm (7" x 0.5" x 1.25") L: 355 x 38 x 127mm (14" x 1.5" x 5")	406 x 50 x 127 mm (16" x 2" x 5")	406 x 50 x 127 mm (16" x 2" x 5")			
2 HP (CS type) / 5 HP (CL type)	5 HP	10 HP/15 HP (Option)			
1 HP	2 HP	3 HP	5 HP		
1/5 HP					
1/5 HP (Option)			1KW AC servo motor		
1/8 HP (Option)			1/8 HP		
below 78dB (A)					
1700 (3740 Lbs)	3250 (7150 Lbs)	6000 (13200 Lbs) 6300 (13860 Lbs) 6600 (14520 Lbs)	7200 (15840 Lbs) 7500 (16500 Lbs) 7800 (17160 Lbs)	8400 (18480 Lbs) 8700 (19140 Lbs) 9000 (19800 Lbs)	
1950 (4290 Lbs)	3500 (7700 Lbs)	6800 (15000 Lbs) 7100 (15620 Lbs) 7400 (16280 Lbs)	8100 (17820 Lbs) 8400 (18480 Lbs) 8700 (19140 Lbs)	9400 (20680 Lbs) 9700 (21340 Lbs) 10000 (22000 Lbs)	
2600 x 1800 (102" x 68")	3450 x 2000 (136" x 79")	4600 x 2300 x 2200 (181" x 91" x 87")	5150 x 2300 x 2200 (203" x 91" x 87")	6150 x 2300 x 2200 (242" x 91" x 87")	
228 x 179 x 210 (90" x 71" x 83")	276 x 228 x 215 (109" x 90" x 85")	376 x 228 x 228 (148" x 90" x 90")	391 x 228 x 228 (154" x 90" x 90")	477 x 228 x 228 (188" x 90" x 90")	

\* With AD5 AUTO. DOWN Feed Vertical feed on hand wheel is 2mm(0.05")/rev. 0.005mm(0.0001")/gra.



**PALMARY MACHINERY CO., LTD.**  
 No. 77, Gongye Rd., Dali City, Taichung County 412, Taiwan.  
 TEL: +886-4-2492-9799 FAX: +886-4-2492-9499  
 Email: palmary@grinding.com.tw  
 http://www.grinding.com.tw

**THAILAND:**  
**PALMARY MACHINERY CO., LTD.**  
 66/3 Moo 3 Khaerai Amphur Krathumban  
 Samutsakorn Thailand, 74110.  
 TEL: +66-34-476225-6 FAX: +66-34-849516



**CHINA:**  
**SHANGYU DAI KING SEIKI CO., LTD.**  
 TEL: +86-575-2186082 FAX: +86-575-2186085  
 Email: daikingseiki@yahoo.com.cn  
 http://www.grinding.com.tw

unit:mm  
( ) :inch



**PALMARY**  
*A Variety of Models to Choose From!*

**HIGH PRECISION  
 SURFACE GRINDERS SERIES**



**PSG-C60100AHR +  
 AD5 AUTO DOWN FEED +  
 NC PARALLEL DRESSER (OPTIONAL)**  
 (600 x 1,000 mm.)



**Precise, Perfect and Excellent**

## The Quality-proven Surface Grinders Designed with Accuracy and Productivity in Mind.

### Precision Performance Built into Every Feature:

1. Uses strong cast iron and excellent structural design which eliminates internal stress and ensures rigidity, stability and accuracy.
2. The "M" series uses "AA" grade steel balls for the guideway to make operation easier and saving labor.
3. The "H" series X and Y slideways are coated with Turcite-B providing stable movement and durable accuracy.
4. Uses P4 precision angular contact bearing for the spindle to ensure accuracy within  $2 \mu$ . Also adopts a cartridge design which is completely sealed and lubricated for high durability and accuracy.
5. Except for the "M" series, all types can install automatic downfeed (AD5) which adds greater convenience for grinding operations.
6. Models above the PSG-50 Series all main casting parts like the column, table, etc. have double-wall construction to ensure rigidity and stability during heavy grinding.
7. Designed and manufactured to meet the needs of high accuracy and fine surface finish.
8. Ruggedly constructed throughout to ensure greater vibration dampening capacity.
9. A wide range of models to choose from: manual, hydraulic and servomotor operated.

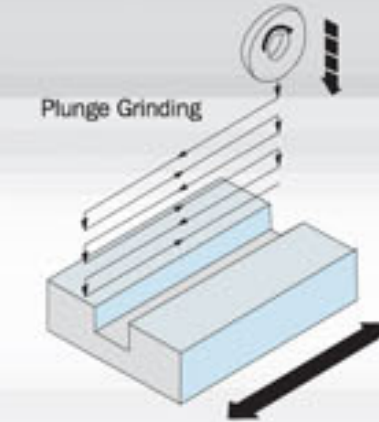
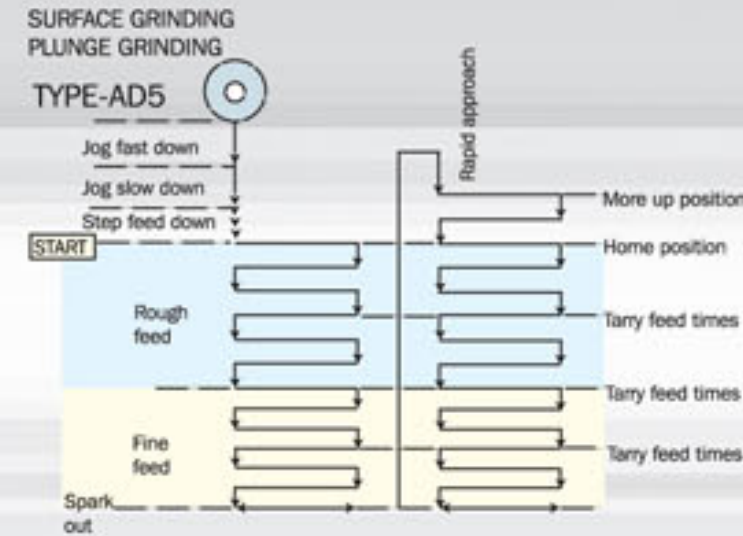


**PSG-C60150AHR + ADS AUTOMATIC DOWNFEED (OPTIONAL)**  
(600 x 1,500 mm.)

### COMPUTERIZED AUTOMATIC DOWNFEED (OPTIONAL)



Type AD5 Automatic Downfeed Control Panel (Optional)



### OPTIONAL ACCESSORIES:

1. Cross/Vertical Micro Feed
2. Auto. Demagnetizer for Magnetic Chuck
3. Electro/Permanent Magnetic Chuck
4. Demagnetizer for Workpiece
5. Angles Forming
6. Radius Forming Attachment
7. Tool Makers Vise
8. Sine Bar
9. Parallel Dresser
10. Coolant System (1/8 HP)
11. (Dust) Suction with Coolant System
12. Automatic Paper Strip Filter and Magnetic Separator with Coolant System.
13. (Dust) Suction System (1/2 HP)
14. Magnetic Separator with Coolant
15. Automatic Paper Strip Filter
16. Punch Former
17. Rapid Up/Down System
18. Automatic Down Feed System
19. Automatic Demagnetizer for Magnetic Chuck
20. Automatic Crossing Stroke Adjustment by Control Panel Switch
21. Back Water Splash Shield



### STANDARD ACCESSORIES:

1. Grinding Wheel
2. Wheel Flange
3. Flange Extractor
4. Wheel Balancing Arbor
5. Wheel Balancing Base
6. Wheel Dresser with Diamond
7. Leveling Screw and Plates
8. Tool Box and Tools
9. Working Lamp (PSG-C50.60.70 not included)
10. Coolant System (PSG-C50.60.70 only)



**PSG-C1545H** (150 x 450 mm.)  
+ with Micro Cross Feed (OPTIONAL)



**PSG-CL3060AH**  
(300 x 600 mm.)



**PSG-DL3060AH** (300 x 600 mm.)  
+ with AD5 Automatic Downfeed (OPTIONAL)



**PSG-2550AH**  
(250 x 500 mm.)



**PSG-D4080AH**  
(400 x 800 mm.)