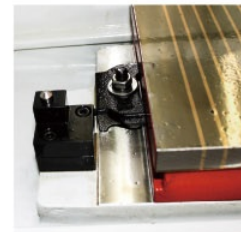




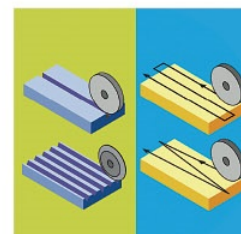
Spindle Motor Inverter

Variable spindle speed adjustment for different material



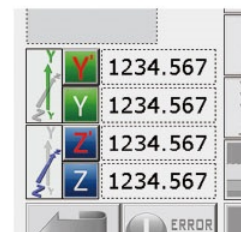
Auto Dressing & Compensation (Diamond dresser on the table)

Increasing more processing efficiency.



Grinding Mode

Surface, Crisscross, Plunge, and Pitch (same pitch and same depth).



Position Display for Y & Z axes

Display the position of Y & Z axes, more convenience when operating.



LCD touch screen panel (PLC controller) and Graphical HMI Interface

Operating more easier, friendly and efficiency.



Auto Balancing System (Option)

Providing superior grinding accuracy and finishing.



NC Auto Parallel Dressing & Compensating System (Option)

The optional NC auto parallel dressing & compensating system is available to equip with an optional NC auto down feed system (AD5 type), greatly increasing the grinding efficiency.

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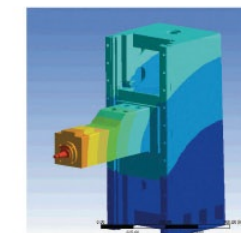
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adp series

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SURFACE GRINDERS

adp series



Optimized Structure

The major parts of PERFECT grinders are manufactured from high quality cast iron combined with an outstanding structural design by Finite Element Analysis (FEA). Major parts are stress relieved to ensure maximum rigidity, stability and machining accuracy.



Precision Spindle Design

The spindle runs in a class P4 high precision angular contact bearing, assuring run-out accuracy in 2 μm. The cartridge-type spindle is completely sealed and lubricated for long working lifetime, providing high accuracy grinding and a long service life.



Turcite-B on Slideways

The X, Z axes slideways are coated with Turcite-B for stable movement and long term accuracy.



Stepless Variable Hydraulic System for X axis

Allowing for feed speed adjustment according to the workpiece type for increased convenience of operation.



AC Servo Motor & M.P.G. Hand Wheel for Y & Z axes

Providing high accuracy and convenient operating.



Semi Enclosed Splash Shield (Right side open)

More safety and more cleaning.



Crossing Stroke Adjustment for X & Z axes

Travel setting by joystick, more convenient.

Specifications			SADDLE TYPE			COLUMN TYPE			CANTILEVER TYPE				DOUBLE COLUMN TYPE				
			PFG-2550ADP	PFG-3060ADP	PFG-4080ADP	PFG-50100ADP PFG-60100ADP PFG-70100ADP	PFG-50150ADP PFG-60150ADP PFG-70150ADP	PFG-50200ADP PFG-60200ADP PFG-70200ADP	PFG-80150ADP PFG-100150ADP	PFG-80200ADP PFG-100200ADP	PFG-80300ADP PFG-100300ADP	PFG-80400ADP PFG-100400ADP	PFG-120200ADP PFG-160200ADP	PFG-120300ADP PFG-160300ADP	PFG-120400ADP PFG-160400ADP	PFG-120500ADP PFG-160500ADP	PFG-120600ADP PFG-160600ADP
Travel	Grinding surface of table	mm	250 x 500	300 x 600	400 x 800	500 x 1000 600 x 1000 700 x 1000	500 x 1500 600 x 1500 700 x 1500	500 x 2000 600 x 2000 700 x 2000	800 x 1500 1000 x 1500	800 x 2000 1000 x 2000	800 x 3000 1000 x 3000	800 x 4000 1000 x 4000	1200 x 2000 1600 x 2000	1200 x 3000 1600 x 3000	1200 x 4000 1600 x 4000	1200 x 5000 1600 x 5000	1200 x 6000 1600 x 6000
	Max. distance center of spindle to table	mm	500	500	550	600			800 [Option: 1000]				700 [Option: 900]		1000 [Option: 1200]		900 [Option: 1100]
Feeding	Table speed approx.	M/min	5~25			5~25			3~25				3~25				
	Rapid power cross feed	mm/min	900			900			900				3000				
	Rapid power hand elevation	mm/min	450			300			225				300				
Wheel	Cross & Vertical feed by M.P.G	mm	(x 1) 0.1 /1 rev (x 1) 0.001 /1 gra	(x 5) 0.5 /1 rev (x 5) 0.005 /1 gra	(x 10) 1 /1 rev (x 10) 0.01 /1 gra	(x 1) 0.1 /1 rev (x 1) 0.001 /1 gra	(x 5) 0.5 /1 rev (x 5) 0.005 /1 gra	(x 10) 1 /1 rev (x 10) 0.01 /1 gra	(x 1) 0.1 /1 rev (x 1) 0.001 /1 gra	(x 5) 0.5 /1 rev (x 5) 0.005 /1 gra	(x 10) 1 /1 rev (x 10) 0.01 /1 gra	(x 1) 0.1 /1 rev (x 1) 0.001 /1 gra	(x 1) 0.1 /1 rev (x 1) 0.001 /1 gra	(x 5) 0.5 /1 rev (x 5) 0.005 /1 gra	(x 10) 1 /1 rev (x 10) 0.01 /1 gra	(x 10) 1 /1 rev (x 10) 0.01 /1 gra	
	Wheel dimension	mm	180 x 13 x 31.75	355 x 38 x 127	405 x 50 x 127	405 x 50 x 127			405 x 50 x 127 [Max. 405 x 75 x 127]				508 x 76 x 203				
Motor	Wheel speed	R.P.M	2900	1450		1450			1450				1100				
	Spindle motor	HP	2	5		10			10 [Option: 15]				20 [Option: 30]				
	Hydraulic motor	HP	1	1	2	5			7.5	10	10	15	15	20	25		
	Auto cross feed motor	W	750 (AC servo motor)			1.5K (AC servo motor)			750 (AC servo motor)				1K (AC servo motor)				
Rapid head elevation motor	W	1K (AC servo motor)			1K (AC servo motor)			1K (AC servo motor)				1K (AC servo motor)					
Weight	Machine net weight	Kg	2000	2500	3700	6870 7170 7470	7870 8170 8470	9070 9370 9670	12800 13800	14300 15300	17300 18800	20300 21300	20000 23000	24000 28000	28500 33000	33000 38000	37500 43000
	Packing gross weight	Kg	2400	3000	4500	7100 7400 7700	8100 8400 8700	9400 9700 10000	13800 14800	15500 16500	17800 19800	21800 22800	22000 25500	26300 30800	31000 36000	36000 41500	41500 48000
Dimension	Floor space (L x W x H)	mm	3350 x 3680 x 2000	3500 x 4000 x 2460	3650 x 4600 x 2560	5200 x 3700 x 2040 5200 x 3750 x 2040 5200 x 3850 x 2040	6200 x 3700 x 2040 6200 x 3750 x 2040 6200 x 3850 x 2040	7200 x 3700 x 2040 7200 x 3750 x 2040 7200 x 3850 x 2040	5160 x 2400 x 2555 5160 x 2660 x 2555	6260 x 2400 x 2555 6260 x 2660 x 2555	8460 x 2400 x 2555 8460 x 2660 x 2555	10660 x 2400 x 2555 10660 x 2660 x 2555	6600 x 3700 x 4000 6600 x 4100 x 4000	8800 x 3700 x 4000 8800 x 4100 x 4000	11000 x 3700 x 4000 11000 x 4100 x 4000	13200 x 3700 x 4000 13200 x 4100 x 4000	15400 x 3700 x 4000 15400 x 4100 x 4000
	Packing dimension (L x W x H)	cm	319 x 222 x 252	350 x 226 x 252	373 x 228 x 252	C/NO.1 365 x 230 x 235 C/NO.2 228 x 147 x 147	385 x 230 x 235 228 x 167 x 147	475 x 230 x 235 228 x 217 x 147	C/NO.1 439 x 230 x 297 439 x 276 x 297	546 x 230 x 297 546 x 276 x 297	750 x 230 x 297 750 x 276 x 297	850 x 230 x 297 850 x 276 x 297	40' HQ x 1+20' x 1	40' HQ x 1+20' x 1	40' HQ x 2	40' HQ x 2	40' HQ x 1+40' FR x 1
						*C/NO. 1 is machine, C/NO.2 is parts for semi-enclosed splash guard			*Shipping by 40' Flat track or Dismounting the column and shipping by 40' High container								

* The manufacturer-reserves the right to modify the mechanism specifications, etc. without prior notice.



PFG-4080ADP / 400x800mm Table surface



PFG-60150ADP / 600x1500mm Table surface

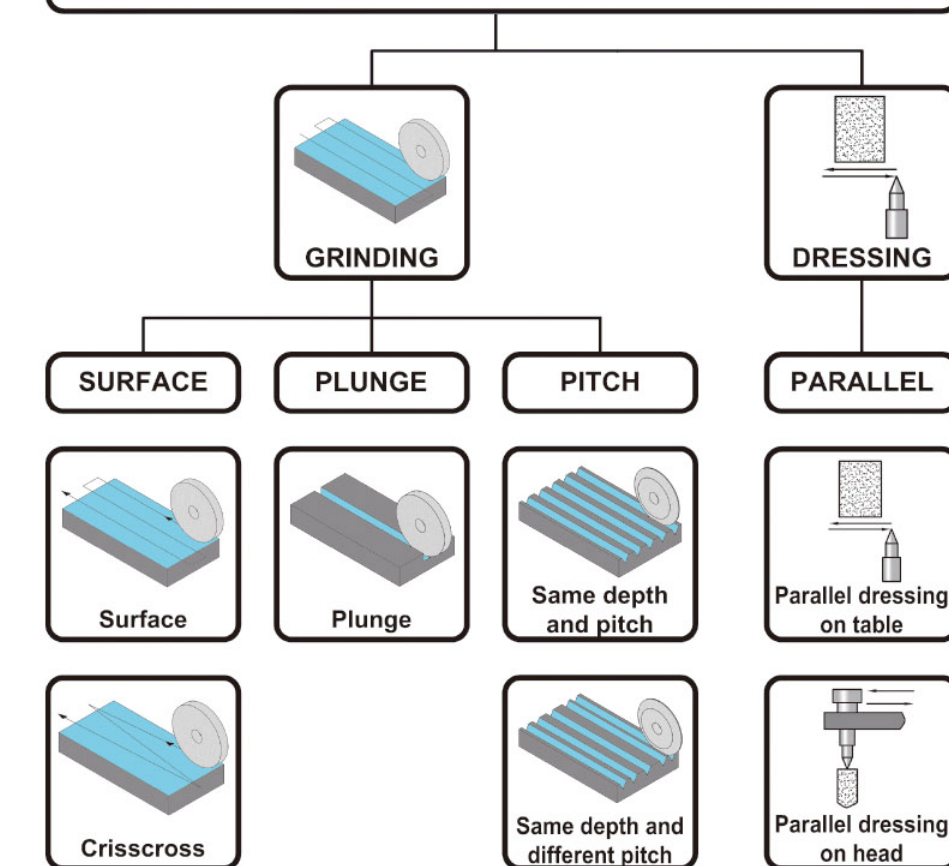


PFG-80150ADP / 800x1500mm Table surface



PFG-120300ADP / 1200x3000mm Table surface

MAIN FUNCTION SELECTION



OPTIONAL ACCESSORIES

1. Electro magnetic chuck with chuck controller
2. Auto paper strip filter and magnetic separator with coolant system
3. Wheel flange
4. NC auto parallel dressing & compensating device (Over spindle head)
5. Auto balancing device



STANDARD ACCESSORIES

Item	Saddle type	Column type	Cantilever type	Double Column type
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. LED Working lamp	●	●	-	●
10. Spindle motor inverter	●	●	●	●
11. Semi enclosed splash shield	●	●	-	-

● Standard / - Without

