



08 Spindle motor inverter - Variable spindle speed adjustment for different material.



09 Auto dressing and compensation (Diamond dresser on the table) function for increasing more processing efficiency.



10 Grinding mode : Surface, Crisscross, Plunge, and Pitch (same pitch and same depth).



11 Position display (for Y & Z axes).



12 10-inch LCD touch screen panel (PLC controller) and Graphical HMI Interface. Operating more easier, friendly and efficiency.



13 [Option] Auto balancing system - Providing superior grinding accuracy and finishing.



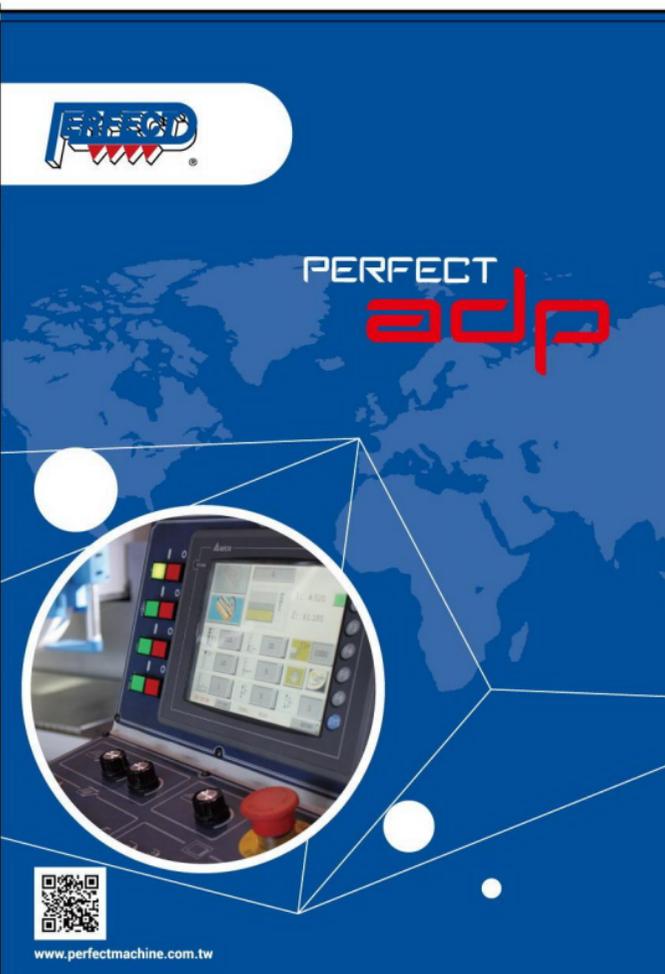
14 [Option] NC Auto parallel dressing and compensating device (over spindle head) function for increasing more processing efficiency and saving grinding time.



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01 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.



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



03 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.



04 X axis driven by Stepless Variable Proportional Valve Hydraulic System - Allowing for feed speed adjustment according to the workpiece type for increased convenience of operation.



05 Y & Z axes driven by AC servomotor + MPG hand wheel - Providing high accuracy and convenient operating.

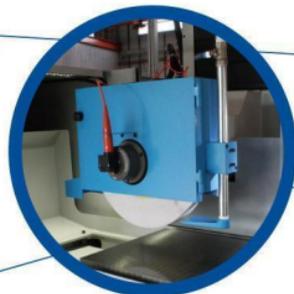


06 Semi enclosed splash shield (right side open) - More safety and more cleaning.



07 Crossing stroke adjustment for X & Z axes - Travel setting by joystick, more convenient.

SERIES SADDLE TYPE



Specifications		2550ADP			
Grinding surface of table	(mm)	250 X 500			
Max. distance center of spindle to table	(mm)	500			
Table speed approx.	(M/min)	5-25			
Rapid power cross feed	(mm/min)	900			
Rapid power hand elevation	(mm/min)	450			
Auto cross feed motor	(W)	750 (AC servo motor)			
Rapid head elevation motor	(W)	1K (AC servo motor)			
Cross & Vertical feed by M.P.G	1 rev	(mm)	(X1) 0.1	(X5) 0.5	(X10) 1
	1 gra	(mm)	(X1) 0.001	(X5) 0.005	(X10) 0.01
Wheel dimension	(mm)	180 X 13 X 31.75			
Wheel speed	(R.P.M)	2900			
Spindle motor	(HP)	2			
Hydraulic motor	(HP)	1			
Machine net weight	(Kg)	2350			
Packing gross weight	(Kg)	2700			
Machine dimensions (L X W X H)	(mm)	2680 X 2350 X 2000			
Packing dimension (L X W X H)	(cm)	312 X 222 X 252			

Specifications		3060ADP		4080ADP	
Grinding surface of table	(mm)	300 X 600		400 X 800	
Max. distance center of spindle to table	(mm)	500mm		550	
Table speed approx.	(M/min)	5-25			
Rapid power cross feed	(mm/min)	900			
Rapid power hand elevation	(mm/min)	450			
Auto cross feed motor	(W)	750 (AC servo motor)			
Rapid head elevation motor	(W)	1K (AC servo motor)			
Cross & Vertical feed by M.P.G	1 rev	(mm)	(X1) 0.1	(X5) 0.5	(X10) 1
	1 gra	(mm)	(X1) 0.001	(X5) 0.005	(X10) 0.01
Wheel dimension	(mm)	355 X 38 X 127		405 X 50 X 127	
Wheel speed	(R.P.M)	1450		1450	
Spindle motor	(HP)	5		5	
Hydraulic motor	(HP)	2		2	
Machine net weight	(Kg)	2500		3700	
Packing gross weight	(Kg)	3000		4500	
Machine dimensions (L X W X H)	(mm)	3000 X 2350 X 2460		3300 X 2650 X 2540	
Packing dimension (L X W X H)	(cm)	350 X 226 X 252		373 X 228 X 252	

SERIES COLUMN TYPE



Specifications		E0100ADP 60100ADP 70100ADP		E0150ADP 60150ADP 70150ADP		E0200ADP 60200ADP 70200ADP		
Grinding surface of table	(mm)	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		
Max. distance center of spindle to table	(mm)	600						
Table speed approx.	(M/min)	5-25						
TRapid power cross feed	(mm/min)	900						
Rapid power hand elevation	(mm/min)	300						
Auto cross feed motor	(W)	1.5K (AC servo motor)						
Rapid head elevation motor	(W)	1K (AC servo motor)						
Cross & Vertical feed by M.P.G	1 rev	(mm)	(X1) 0.1	(X5) 0.5	(X10) 1	(X10) 1	(X10) 1	
	1 gra	(mm)	(X1) 0.001	(X5) 0.005	(X10) 0.01	(X10) 0.01	(X10) 0.01	
Wheel dimension	(mm)	405 X 50 X 127						
Wheel speed	(R.P.M)	1450						
Spindle motor	(HP)	10						
Hydraulic motor	(HP)	5						
Machine net weight	(Kg)	6870		7870		9070		
		7170		8170		9370		
		7470		8470		9670		
Packing gross weight	C/NO.1	(Kg)	6800		8100		9400	
			7100		8400		9700	
	C/NO.2	(Kg)	7400		8700		10000	
			830		850		900	
Machine dimensions (L X W X H)	(mm)	4800 X 2500 X 2040		5000 X 2500 X 2040		6200 X 2500 X 2040		
		4800 X 2600 X 2040		5000 X 2600 X 2040		6200 X 2600 X 2040		
		4800 X 2700 X 2040		5000 X 2700 X 2040		6200 X 2700 X 2040		
Packing dimension (L X W X H)	C/NO.1	(cm)	365 X 230 X 235		385 X 230 X 235		475 X 230 X 235	
			228 X 147 X 147		228 X 167 X 147		228 X 217 X 147	
		C/NO.2	(cm)	228 X 147 X 147		228 X 167 X 147		228 X 217 X 147

PS. C/NO. 1 is machine, C/NO.2 is parts for semi-enclosed splash guard

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

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

