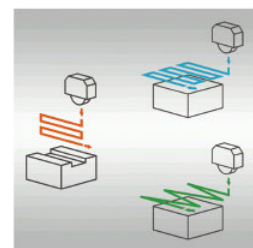




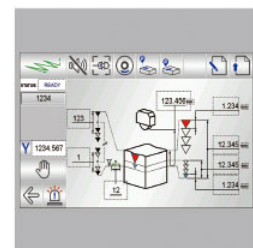
LCD touch screen panel (PLC controller) and Graphical HMI Interface

Operating more easier, friendly and efficiency.



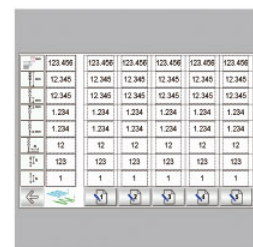
Grinding Mode

Surface, Crisscross, Plunge are standard mode.



Functions and Auto down feed setting

Whole functions and Auto down feed setting could be set from touch screen panel, operating more easier and friendly.



Save and Download Records

Extra 5 sets save and download records for processing settings, operating more efficiently.



Alarm & Functions signals

More efficiently for after service.



M.P.G. handwheel

Except for the saddle type [Option], the vertical feed controlled by a M.P.G. handwheel instead of a conventional handwheel. Feed is driven by an AC servomotor for effortless operation and high accuracy.



Spindle Motor Inverter [Option]

Variable spindle speed adjustment for different material.

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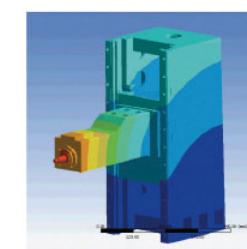
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SURFACE GRINDERS



Optimized Structure

The major parts are manufactured from high quality cast iron combined with an outstanding structural design. 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.



Micro feed for cross feed [Only for Saddle type]

Standard structure for Saddle type, 0.001 mm/gra. fine feed by manual.



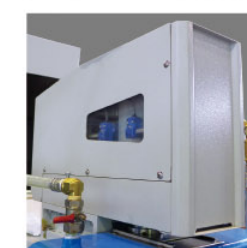
Back water splash shield

To avoid water splash everywhere, environment more comfortable.



Quantitative Lubrication system

Keep the guide ways more smoothly.



NC auto parallel dressing & compensating system [Option]

The optional NC auto parallel dressing & compensating system is available to greatly increasing the grinding efficiency.

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SPECIFICATIONS			SADDLE TYPE			COLUMN TYPE			CANTILEVER TYPE			DOUBLE COLUMN TYPE				
			PFG-2550DT	PFG-3060DT	PFG-4080DT	PFG-50100DT PFG-60100DT PFG-70100DT	PFG-50150DT PFG-60150DT PFG-70150DT	PFG-50200DT PFG-60200DT PFG-70200DT	PFG-80150DT PFG-100150DT	PFG-80200DT PFG-100200DT	PFG-80300DT PFG-100300DT	PFG-120200DT PFG-160200DT	PFG-120300DT PFG-160300DT	PFG-120400DT PFG-160400DT	PFG-120500DT PFG-160500DT	PFG-120600DT PFG-160600DT
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	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. grinding surface	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	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 [Option: 600]	500 [Option: 600]	550 [Option: 650]	600 [Option: 800 & 1000]			800 [Option: 1000]			1000 [Option: 1200]		900 [Option: 1100]		
Feeding	Table speed approx.	M/min	5~25	5~25		5~25			3~25			3~25				
	Table guideway		V & Flat way	V & Flat way		V & Flat way			V & V way			V & V way				
	Auto. Cross feed increment approx.	mm	0.1~12	0.5~20		0.5~20			0.1~15			0.1~35				
	Rapid power cross feed	mm/min	1100 [60HZ] / 900 [50HZ]	1100 [60HZ] / 900 [50HZ]		1100 [60HZ] / 900 [50HZ]			1500			3000				
	Cross feed on hand wheel	mm	5/rev. ; 0.02/gra.	5/rev. ; 0.02/gra.		5/rev. ; 0.02/gra.			5/rev. ; 0.02/gra.			(x1) 0.1 (x1) 0.001	(x5) 0.5 (x1) 0.005	(x10) 1 (x10) 0.01		
	Vertical feed on hand wheel	mm	2/rev. ; 0.01/gra.	2/rev. ; 0.01/gra.		(x1) 0.1 (x1) 0.001	(x5) 0.5 (x5) 0.005	(x10) 1 (x10) 0.01	(x1) 0.1 (x1) 0.001	(x5) 0.5 (x5) 0.005	(x10) 1 (x10) 0.01	(x1) 0.1 (x1) 0.001	(x5) 0.5 (x5) 0.005	(x10) 1 (x10) 0.01		
	Auto down feed	mm/time	0.001~0.999 [2/rev. ; 0.005/gra.]	0.001~0.999 [2/rev. ; 0.005/gra.]		0.001~0.999			0.001~0.999			0.001~0.999				
Motor	Spindle motor	HP	2	5	5	10 [Option: 15]			10 [Option: 15]			20 [Option: 30]				
	Hydraulic pump motor	HP	1	1	2	3	5		7.5	10		15	20	25		
	Auto Cross feed motor	HP	1/5	1/5		1/5			1/5			1KW AC servo motor				
	Rapid head elevation motor	HP	4Amp stepping motor	4Amp stepping motor		1KW AC servo motor			1KW AC servo motor			1KW AC servo motor				
	Coolant pump [Option]	HP	1/8	1/8		1/4			1/2			1/2				
Wheel	Wheel speed	rpm	3500 [60HZ] / 2900 [50HZ]	1750 [60HZ] / 1450 [50HZ]		1750 [60HZ] / 1450 [50HZ]			1750 [60HZ] / 1450 [50HZ]			1100				
	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				
Weight	Machine net weight	Kg	1350	1700	3250	6000 6300 6600	7200 7500 7800	8400 8700 9000	12800 13800	14300 15300	17300 18800	20000 23000	24000 28000	28500 33000	33000 38000	37500 43000
	Packing gross weight	Kg	1550	1950	3500	6800 7100 7400	8100 8400 8700	9400 9700 10000	13800 14800	15500 16500	17800 19800	22000 25500	26300 30800	31000 36000	36000 41500	41500 48000
Dimension	Floor space (L X W X H)	mm	2355 X 1920 X 1800	2640 X 2045 X 1800	3465 X 2265 X 1900	3810 X 3050 X 2040 3810 X 3150 X 2040 3810 X 3250 X 2040	4850 X 3050 X 2040 4850 X 3150 X 2040 4850 X 3250 X 2040	6000 X 3050 X 2040 6000 X 3150 X 2040 6000 X 3250 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	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	230 X 194 X 220	243 X 230 X 220	290 X 228 X 223	* 20' General Container: Max. distance center of spindle to table: 600mm * 40' High Container: Max. distance center of spindle to table: 800mm * 20' Flat rack: Max. distance center of spindle to table: 1000mm			230 X 167 X 206 [NW: 950kgs / GW: 1100kgs] * Shipping by 40' Flat rack or 40' HQ when dismounting column			40'HQ X1 + 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

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



- PFG-50100DT** 500x1000mm Table surface
- LCD touch screen panel (HMI Interface)
 - Auto down feed
 - Auto crossing stroke adjustment
 - Crisscross grinding
 - Ball screw for cross feed
 - Stepless Variable Hydraulic System
 - Longitudinal by Sensor & Solenoid valve
 - AC servo motor & MPG hand wheel for Vertical
 - Back water splash shield
 - Light for machine situation

OPTIONAL ACCESSORIES

1. Electro magnetic chuck with chuck controller

2. Parallel dresser (Manual)

3. Spindle motor inverter

4. Wheel flange

5. Tool makers vise

6. Digital readout unit

7. Coolant system

8. (Dust) Suction system
9. (Dust) Suction with coolant system

10. Magnetic separator with coolant system

11. Auto paper strip filter with coolant system

12. Auto paper strip filter and magnetic separator with coolant system

13. NC auto parallel dressing & compensating system

14. Auto balancing device

15. Enclosed splash shield



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. Working lamp	●	○	○	○
10. Parallel dresser [Manual]	○	○	●	●

- Standard
○ Option

