

### Grinding Mode

Surface, Crisscross, Plunge, and Pitch (same pitch and same depth) grinding are standard.  
Others like Stair, Side, Profile, Contour grinding are options.  
The 3 axes CNC control is necessary for contour grinding.



### Dressing Mode

Table dressing is standard.  
Others like Profile, Forming dressing are options.



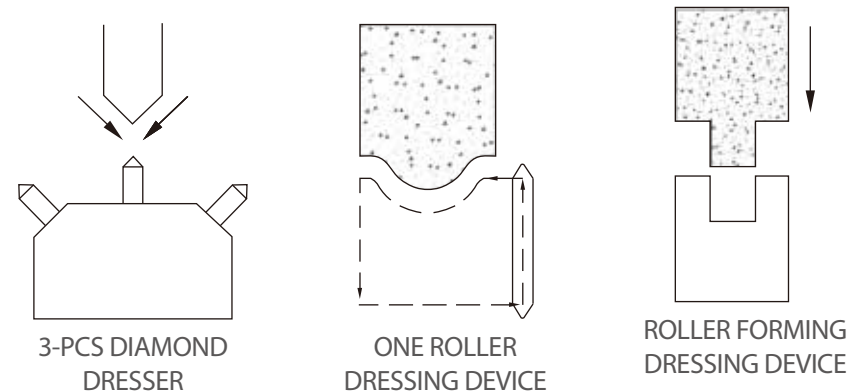
### NC auto parallel dressing & compensating system (Option)

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



### Dressing Device

3-pcs diamond dresser, One roller, One roller forming are options.



### Auto Balancing System (Option)

Providing superior grinding accuracy and finishing.

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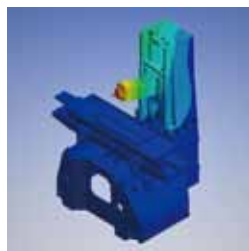


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# SURFACE GRINDERS



## Optimized Structure

The main structure is analyzed by the finite element technique with different combination of external forces to ensure the stiffness of the machine. The base of the grinder is expanded for the purpose of increasing the supporting capability and stability of the machine. A fully-support rail design reinforces the precision and stability of the machine.



## 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.



## CNC controller

SIEMENS brand 2 axes, 3 axes CNC controller, operation more convenience. Fagor, Fanuc CNC controller are also available if necessary.



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

Providing high accuracy and convenient operating.



## Crossing Stroke Adjustment for X & Z axes

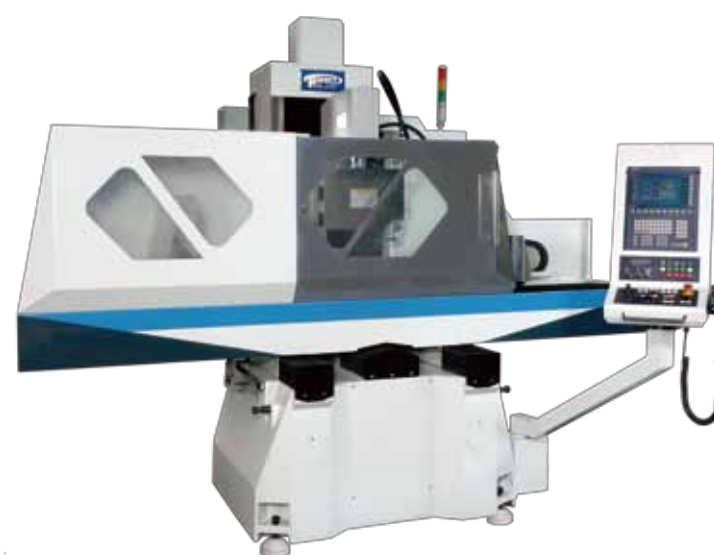
Travel setting by joystick, more convenient.



**Stepless Variable Hydraulic System for X axis** Allowing for feed speed adjustment according to the workpiece type for increased convenience of operation.

SPECIFICATIONS	SADDLE TYPE			
		X25H (2 axes CNC) X25B (3 axes CNC)	X36H (2 axes CNC) X36B (3 axes CNC)	
Travel	Grinding surface of table	mm	250 X 500	300 X 600
	Max. grinding surface	mm	250 X 500	300 X 600
	Max. distance center of spindle to table	mm	550	600
Feeding	Table speed approx.	M/min	H: 3~25 B: 1~15	
	Rapid power cross feed	mm/min	1100	
	Rapid power up/down	mm/mm	550	
	Min. feeding setting	mm	0.001	
Motor	Spindle motor	HP	3	7.5
	Motor for vertical feed		800W AC servo motor	
	Motor for cross feed		800W AC servo motor	
	Motor for X axis		H: 1HP B: 1KW AC servo motor	H: 2HP B: 1KW AC servo motor
Wheel	Speed	rpm	3500[60HZ] / 2900[50HZ]	1750[60HZ] / 1450[50HZ]
	Dimension	mm	180 X 13 X 31.75	355 X 50 X 127
Weight	Net weight	kgs	2500	3000
	Machine	mm	2800 X 2500 X 2300	2950 X 2600 X 2400
Structure	vertical		Linear guide way with ball screw	
	Cross		Linear guide way with ball screw	
	X axis		H: Box way with hydraulic cylinder B: Linear guide way with ball screw	
Controller	Grinding mode		Surface, Criss-cross, Plunge, Pitch (different pitch and same depth)	
	Controller		SIEMENS 828D or FANUC Series 0i-MF	

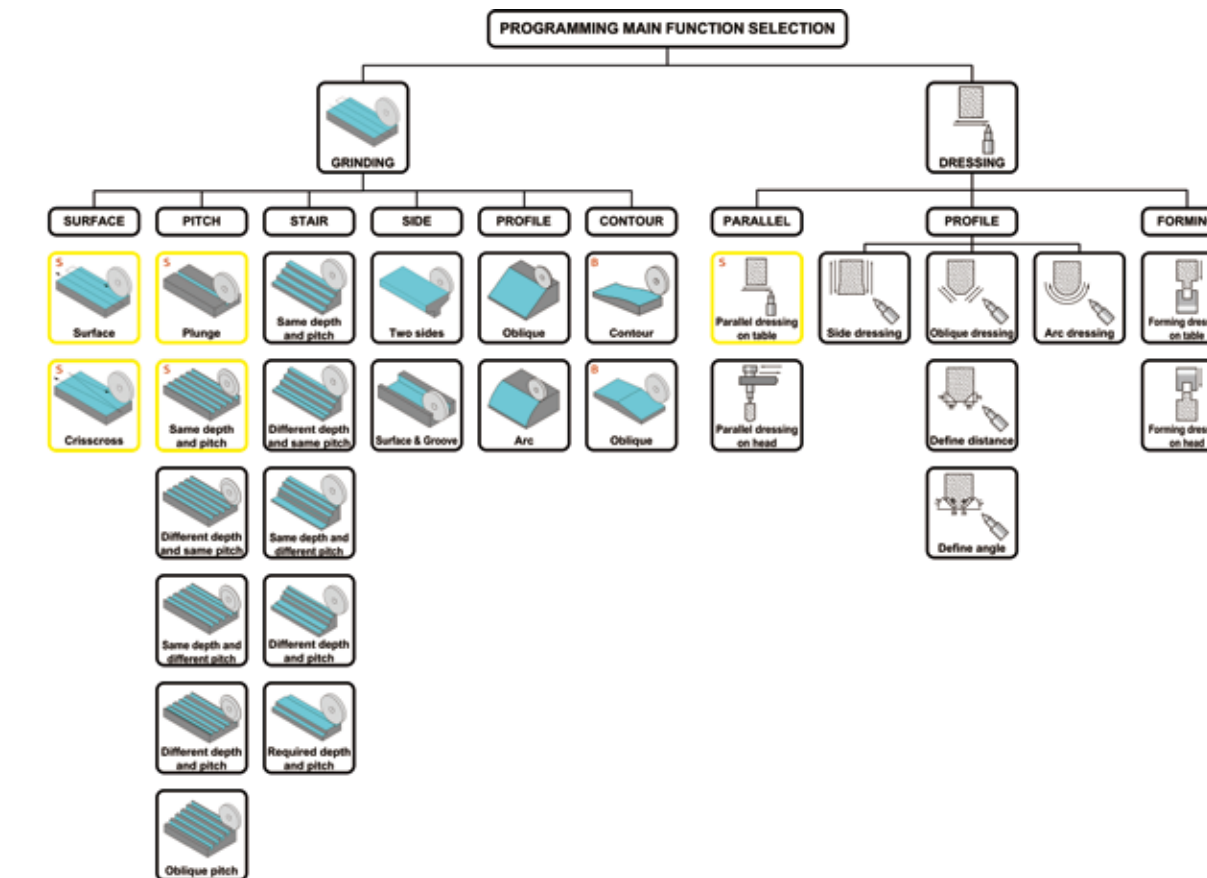
\* The manufacture reserve the right to modify the mechanism specifications, etc. without prior notice.



**PFG-X36H** / 300x600mm Table surface  
+ Semi enclosed splash shield



**PFG-X25H** / 250x500mm Table surface  
+ Full enclosed splash shield (Option)



## 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

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

