

## FH-1300/1600

### Designed for ultra-heavy workpiece, significantly improve work efficiency

1. Universal gearbox design for metric, inch, DP, MP, threading and multiple threads without change any gear.  
Multi threads provided from 54 sets to 70 sets by different models.
2. Spindle, gears and shafts are made of steel alloy with carburized heat treatment and precision ground for longevity. Three points bearing layout of spindle with taper roller bearings and cylindrical roller bearings (4 bearings for spindle bore 6"), maximize the strength and stability of the spindle to ensure any axial load of heavy duty cutting. Spindle bore capability has 6"/9"/12"/14"/16".
3. Bed structure reinforced design ribs assure excellent rigidity and superb damping capability.  
Integrated one piece base suitable for heavy-duty work pieces and extended service longevity.
4. Two steps speed tailstock for operation efficiency. MT#7 quill provide heavy duty cutting and drilling capability.
5. Carriage and slide has use Turcite B for moving smooth and longevity.
6. Apron has set rapid traverse and lubrication system. Rapid traverse can choose longitudinal or cross forward/backward movement and equipped with safety device to ensure the safety of users.  
Lubrication system can choose auto lubricate or manual lubricate.



### FH-1300/1600 Specification

Subject	Item	FH-1300		FH-1600	
Capacity	Swing over bed	1300		1600	
	Swing over cross	900		1200	
	Centers distance	1500/2000/3000/4000/5000/6000/7000/8000/9000/10000			
	Swing over gap	1800		2000	
Headstock	Spindle bore	Ø 153(6")	Ø 230(9")	Ø 310(12")	Ø 360(14")
	Spindle nose	A2-15		A2-20	
	Range of spindle speed	4~400 r.p.m.			
	Steps of spindle speed	12 Steps			
Feed & threads	Taper of center	M.T. NO.6			
	Leadscrew	Ø 55mm / 2 T.P.I			
	Longitudinal feeds	0.06~8mm/rev			
	Cross feeds	0.03~4 mm/rev			
	Inch threads(D.P.)	1/4~30 T.P.I (70Kinds) / D.P. 1~120 (70Kinds)			
Carriage	Metric threads(M.P.)	1~120mm (62Kinds) / M.P. 25~30 (54Kinds)			
	Cross slide travel	800			
	Tool post slide travel	300			
Tailstock	Quill travel	300			
	Quill diameter	Ø 180			
Motor	Taper of quill	M.T. NO. 7			
	Spindle motor	30HP / 40HP			
Bed (Integrated one piece base)	Width	850 3V			
	Net weight(approx)kg	12000/13400/14800/16200/17600/19000/20400 21800/23200/24600/12200			
	Packing size(LxWxH)	4800x2250x2400/5300x2250x2400/6300x2250x2400/7300x2250x2400			
		8300x2250x2400/9300x2250x2400/10300x2250x2400/11300x2250x2400 12300x2250x2400/13300x2250x2400			

#### Standard accessories

Center sleeve & Centers  
Tool post wrench  
Leveling pads  
Tool box & Tools  
Rapid traverse  
Longitudinal auto stop

#### Optional accessories

Three jaw chuck  
Four jaw independent chuck  
Face plate with four jaw  
Taper attachment  
Live center  
Steady rest  
Follow rest  
Cooling equipment  
Hydraulic coping machine  
Chuck guard  
Tool post guard  
Leadscrew guard  
Quick change tools  
Rear splash guard  
Movable rear splash guard  
D.R.O.  
Milling device  
Grinding device  
Boring device  
Work light  
Electric tailstock  
Hydraulic tailstock  
Roller support rest  
Tailstock movement device  
Boring device

\*Specifications are subject to change without notice for further design improvement.

Unit : mm