

# HUNTER FTH SERIES

Flat Bed, Tailstock, Hardened Guideway

FTH6140-750/FTH6140-1000/FTH6140-1500

FTH6150-750/FTH6150-1000/FTH6150-1500



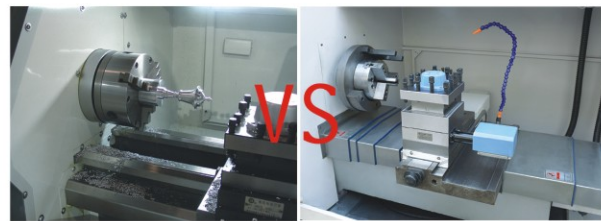
# HUNTER FTH

## Constant Research and Ongoing Product Refinement

### Evolving a Lathe Tradition:

#### Improving the Flat Bed Box Way Design for CNC Turning

Unlike the old CK CNC lathe design, which has the ball screw mounted on the front side of the lathe bed, the HUNTER Series moved the ball screw to the middle of the lathe bed, between the ways. This eliminates friction and ball screw torque – increasing efficiency and assuring higher speeds. The HUNTER lathes also have telescoping stainless steel guards that cover the ball screw along its entire length. This assures smooth operation and long machine life.

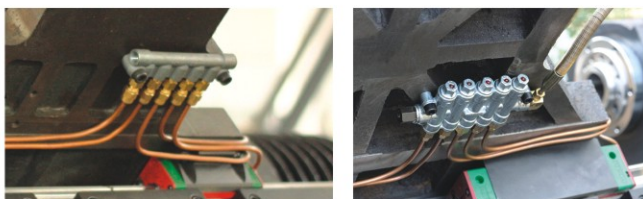


### Comparison of tradition CK type CNC lathe



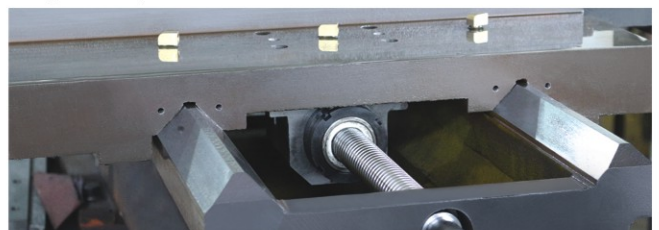
### Reliable and Efficient Lubrication Oil Distribution

This efficient unit assures all machine components are lubricated evenly – extending machine operating life.



### Double “V” Machine Bed Ways

Lathe carriage is continually aligned for torque-free, smooth operation and increased accuracy. The center-mounted, covered ball screws increase the smoothness and speed of carriage movement along the V ways.



# Unique, Efficient Design – Ball Screw is Mounted Between FTH Lathe Bed Ways

## Standard Features

- 3-Jaw Chuck or Collet
- 4-Station Tool Post
- Manual Tailstock
- Center Sleeve
- Automatic Lubrication System
- Automatic Coolant System

## Optional Features

- Different Chucks
- Different CNC Control Systems
- 8-Station Turret
- Hydraulic Tailstock
- Steady rest
- Higher Spindle Speed
- Larger Diameter Spindle Bore

### Machine Characteristics

Center Mounted Ball Screw Assembly reduces friction and side torque – improving dynamic characteristics and long-term machine stability.  
 High Torque with Good Spindle Speed Hardened & Ground Bed Ways  
 Telescoping, stainless steel ball screw/way guards completely protect slide operation from chips, coolant and debris.  
 Large contact area between bed ways and machine carriage promotes stability and accuracy.  
 Double row, cylindrical roller spindle bearings improve rigidity on larger machines.  
 Good for Turning Long Work Pieces Centralized Lubrication System

## Specifications

	Unit	FTH6140			FTH6150			
<b>Capacity</b>	Chuck size	inch	10			12		
	Max. swing dia. over bed	mm	450			500		
	Max. length of workpiece	mm	750(center to center) / 1000(center to center) / 1500(center to center)			750(center to center) / 1000(center to center) / 1500(center to center)		
	Max. swing dia. over slide	mm	240			350		
<b>Spindle</b>	Spindle bore	mm	62	*55	*75	81	*105	*120
	Bar dia. capacity	mm	52	*46	*65	70	*91	*110
	Spindle nose		A2-6	*C6	*A2-8	A2-8	*A2-11	*A2-11
	Spindle speed	rpm	2000,*3500,*4000	*1600	*1600	1600,*2500	*1000	*1000
	Main motor power	kW		7.5,*11.0			7.5,*11.0	
<b>Axis</b>	X axis travel	mm	320			320		
	Z axis travel	mm	750/1000/1500			750 / 1000 / 1500		
	X/Z rapid traverse	m/min	12/12			12/12		
<b>Toolpost</b>	Type of toolpost		4-Station Toolpost, *8-Station turret			4-Station Toolpost, *8-Station turret		
	No. of tool stations	nos	4+2,*8			4+2,*8		
	Tool shank size	mm	25			25		
<b>Tailstock</b>	Type of tailstock		Manual,*Hydraulic			Manual,*Hydraulic		
	Taper of tailstock quill		MT5			MT5		
	Travel of tailstock quill	mm	150			150		
	Travel of tailstock	mm	N/A			N/A		
<b>Structure</b>	Bed width		410			410		
	Ballscrew installed structure		Centralized			Centralized		
	Guideway type		Hard way			Hard way		
<b>Others</b>	Power capacity	kVA	14			15		
	Overall dimension (LxWxH)	mm	2430×1370×1600 / 2520×1370×1600 / 3100×1370×1600			2430×1370×1600 / 2520×1370×1600 / 3100×1370×1600		
	Weight (about)	Kg	3300 / 3500 / 4000			3500 / 3700 / 4200		

Note: \*\* means optional.

## ZHEJIANG ZHENHUAN CNC MACHINE TOOL CO., LTD.

Zhejiang Headquarter and Plant:  
 Add: Mechanical & electrical industrial zone, Yuhuan,  
 Zhejiang, 317600 China  
 Phone: +86-576-87226292 Fax: +86-576-87226290  
 www.zmat.cn E-mail: info@zmat.cn

Jiangsu Z-MaT No.2 Plant:  
 Shandong Precision Spindle Unit Plant:  
 Hong Kong Commercial Center:  
 Taiwan R&D Center:

Nanjing Zhenhuan Machinery Co., Ltd. No.1 Tuqiao Industrial Zone, Jiangning District, Nanjing, Jiangsu.  
 Weihai Giessen Seiki Co., Ltd. No. 39-3 Hi-tech Industrial Zone, Weihai, Shandong.  
 Kimway Dragon Holdings limited 701A Caroline Centre, 2-38 Yun Ping Road, Hong Kong.  
 GreaMaT Machinery Co., Ltd. No. 955, Section 4, Wenxin Rd., Beitun District, Taichung, Taiwan.