

## Model

High Precision CNC Lathe

# FTC-23/26

High Performance Lead To Increased Productivity

MODEL	Content	FTC-23/26
Machining Area	Swing over bed	600mm
	Center distance	625/925/1225mm
	Standard working Dia	φ210/φ260mm
	Maximum turning diameter	φ300mm
	Max. turning length	580/850/1150mm
Spindle	Spindle motor	AC15kw/20hp   18.5kw/25hp
	Spindle speed (Max)	4200/3000rpm
	Spindle nose	A2-6 / A2-8
	Spindle hole	65mm(75opt)   92mm(105opt)
	Through bar capacity	52mm(65opt)   75mm(92opt)
	Front bearing I.D. of SP.	100/130mm
	Chuck size	8" / 10"
Tailstock	Tailstock taper	MT#4/MT#5(opt)
	Tailstock quill Dia.	80mm
	Tailstock quill travel	70/80mm
Axial Speed	X-axis travel	165+40mm
	Z-axis travel	600/900/1200mm
	X-axis rapid speed	20m/min(B)   24m/min(L)
	Z-axis rapid speed	20m/min(B)   30m/min(L)
	Z-axis servo motor	3.0Kw(2.5 or 2.0 opt)
Min. input increment	0.001mm	
Turret	Tool type	Servo turret
	Square shank tool size	□25mm
	Max. boring tool Dia	φ40mm
	Number of tools	10/12(opt)
Tool change time	1.2sec	
Coolant	Coolant pump motor	3/4   1 1/2
Machine Dimension	Machine dimensions	2750*1900*1800   3000*1900*1950mm <sup>3</sup>
	Floor space	3600*2500mm <sup>2</sup>
	Package size	3850*2290*2150   4000*2290*2150mm <sup>3</sup>
	Machine net weight	5050/5550/6100   5200/5700/6250kg
	Machine gross weight	5500/6050/6700   5650/6200/6850kg

### Standard accessories

- 8" Hydraulic chuck(FTC-23)
- 10" Hydraulic chuck(FTC-26)
- 10-positions servo turret
- Tool station facing holder 1 set
- Boring bar tool holder 4 sets
- I.D steeves 10,12,16,20,25,32- each 1pc
- Soft jaw 1 set
- Hydraulic tailstock
- Removable coolant tank
- Chip conveyor
- Centralized lubrication system
- Heat exchanger for electrical cabinet
- Foot switch
- RS-232 interface
- Work lamp
- Warning lamp
- Leveling bolts & pads
- Toolbox
- Machine, electrical and instruction manual
- Bar-feeder interface

### Optional Accessories

- 6" Hydraulic chuck
- Work-piece conveyor
- Tool length measurement
- Oil mist filter
- Oil skimmer
- C-axis Function
- Auto power off
- Programmable tailstock
- VDI turret
- Index type 52, 60 collet chuck (φ52 or φ60)
- Transformer



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Sizes and specifications shown in this catalogue are subject to change without prior notice.

Remark: B: Box-Way Type  
L: Linear Guide Way Type



ISO 9001



Quality Management  
QC011



## High Precision CNC Lathe

# FTC-23/26

High Performance Lead To Increased Productivity

## Reflect perfect turning ability.

Suitable for machining optical element medical care appliances, automobile (motorbike), aviation (aerospace) and electronic component.

## Artistic design with complete extended function

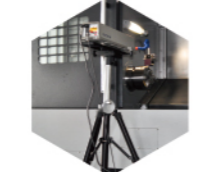
The FTC series CNC lathe not only provide high stability but also with elegant design. It can be collocated with automatically machine arm and bar-feeder that will increase production efficiency tremendously.



Servo Turret



Ergonomic Control Panel



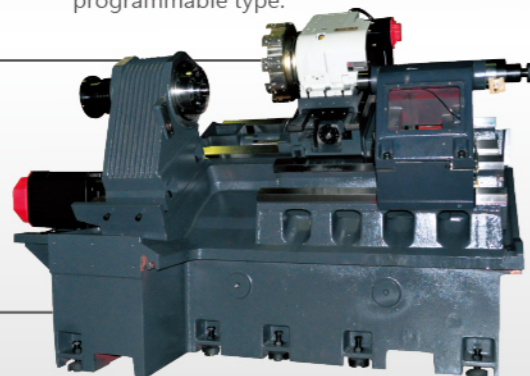
Positioning Accuracy of Laser Inspection

### 1 Servo Turret

The turret positioning is driven by a servo motor combined with hydraulic locking, providing fast tool change and high positioning accuracy. The servo turret is also excellent for heavy cutting and superior in stability.

### 2 Manual Hydraulic Tailstock

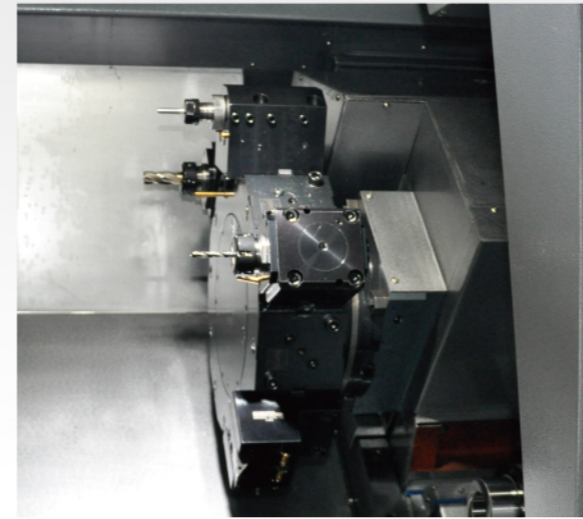
Convenient and Practical Tailstock, friendly sliding and choose standard manual lock type, or optional programmable type.



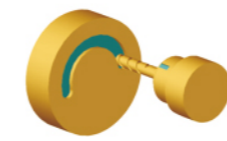
### 3 One-Piece Strengthened Cast Body Design

The one piece 30° strengthened casting body can ensure machine rigidity and stability, slideway center and spindle center are symmetrical design, rational allocation of length and width, ensure long time turning to keep high accuracy positioning.

## Power tool turret for C-axis Machining(optional)



### Drawing of C-axis Machining



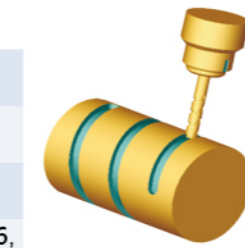
C-Axis Machining



X-C Axis Machining

### Tool specifications for C-axis

Tool type	VDI-40 (or BMT-55)
O.D tool	□25m/m
Boring tool	φ40
Tool collect	C40-φ8, φ10, φ12, φ16, φ20, φ25, φ32



Z-C Axis Machining

### Automatically machine robot (optional)



### Tool length measurement device (optional)



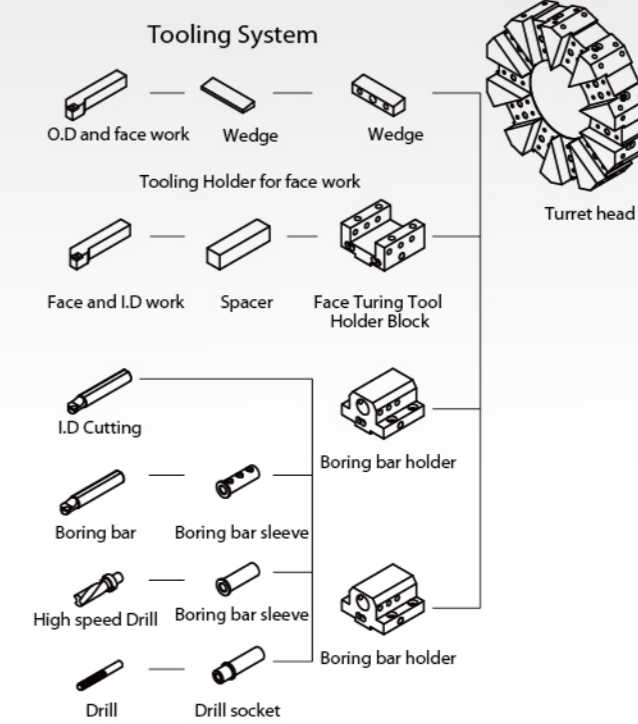
### Bar-feeder (optional)



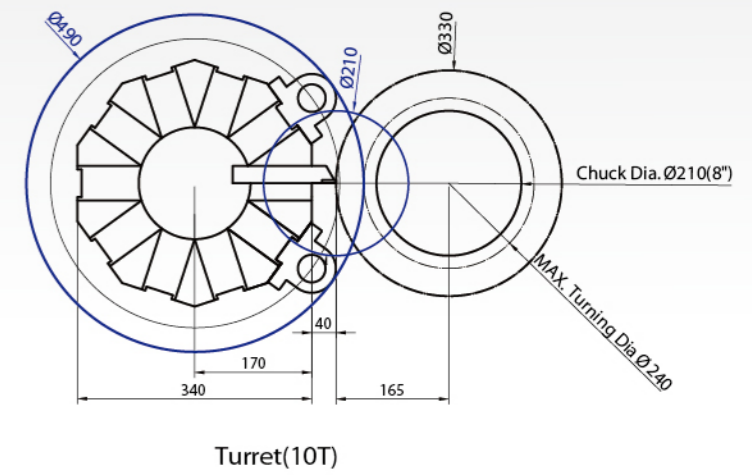
### Oil mist (optional)



## Tool system

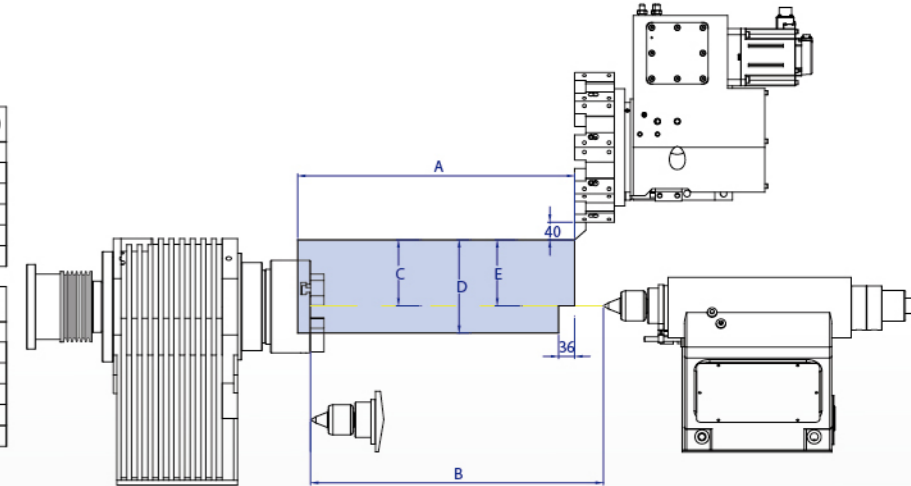


## Working Range

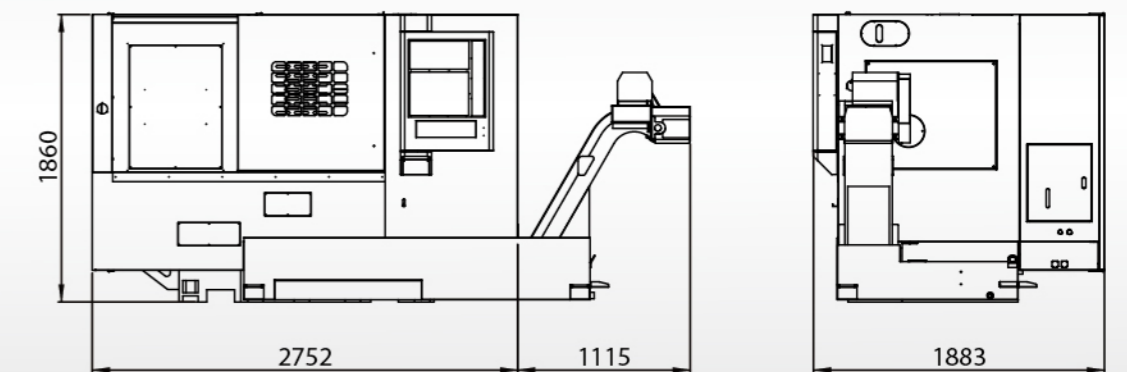


	FTC-23(26)B/600		FTC-23(26)B/900		FTC-23(26)B/1200	
turret	10T	12T	10T	12T	10T	12T
A	660		960		1260	
B	588		888		1188	
C	165	205	165	205	165	205
D	190	205	190	205	190	205
E	165		165		165	

	FTC-23(26)L/600		FTC-23(26)L/900		FTC-23(26)L/1200	
turret	10T	12T	10T	12T	10T	12T
A	635		935		1235	
B	588		888		1188	
C	165	205	165	205	165	205
D	190	205	190	205	190	205
E	165		165		165	



## Dimensional Drawings



FTC-23(26)/600 Machine floor space drawing

