

FIRST CHANT
ENTERPRISE CO., LTD.

FTC-10

HIGH PRECISION CNC LATHE

CNC PRECISION MACHINE SERIES

AEGIS

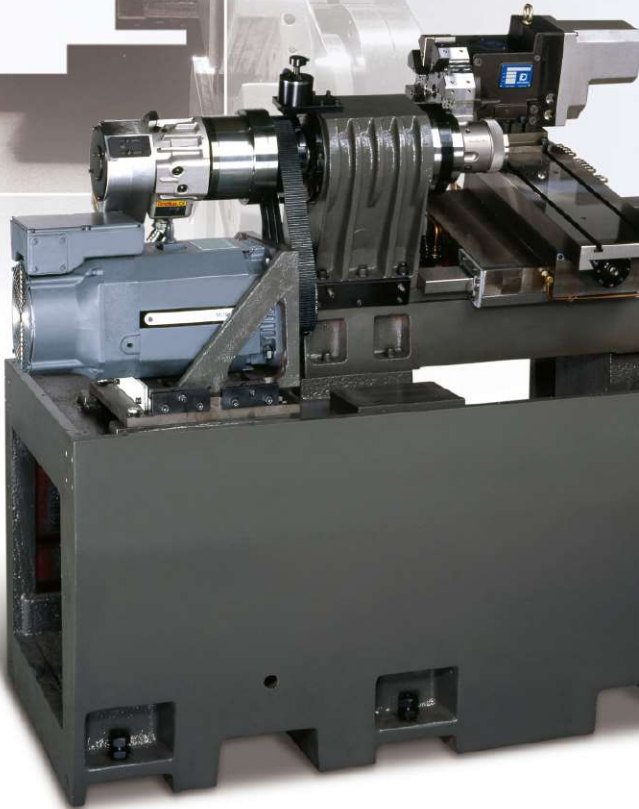
PRECISION DEFENDER

FTC-10

Optimized Structure design! Maximum Stability! Maximum Rigidity!

The machine structure is precision and ruggedly that is constructed from high quality casting iron. Slideways are hardened and precision ground. Slide is precision machined from alloy steel to ensure service life and high accuracy.

- High precision C1 class and C3 class ball screws on X, Z-axes combined with extra solid support assure outstanding repeatability and positioning accuracy. The ball screws are forcibly lubricated to minimize thermal deformation while ensuring long service life.
- 15 degree slant bed construction effectively reduces dividing force and backlash of ball screw on X-axis movement, while ensuring machining accuracy at all times.

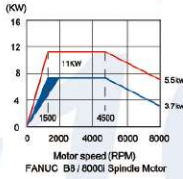




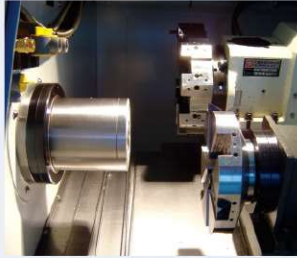
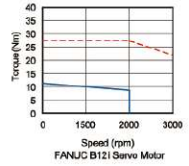
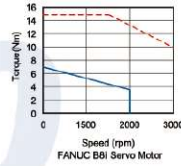
Precision Spindle

The spindle runs in super precision double-row roller bearings combined with high speed precision angular contact ball bearings, providing added spindle rigidity. It also assures maximum cutting stability and long service life of bearings.

Axes Motor Torque



FTC-10 Spindle power



Polygon Spindle Accessories (Optional)

For the polygon turning by the servo control.



Gang-type Tooling System (Optional)

The machine permits turret and gang type tooling system working together, even with other expending functions like Polygon Spindle, Grinding head...etc.)



Chain Type Chip Conveyor (Optional)

The chain-type chip conveyor escape chips out of the machine, and provides convenient handling of chips.

Bar feeder (Optional)

The bar feeder/Single bar feeder(Opt) provides automatic bar feeding. It is easy to achieve an automated production and greatly upgrades productivity.



Power tool turret for C-axis Machining (optional)



C-Axis Machining

X-C Axis Machining

Z-C Axis Machining

Tool specifications for C-axis

Tool type	O.D tool	Boring tool	Tool collect
FTC-10	□20 mm	∅20	C-20-∅8,10,12,16



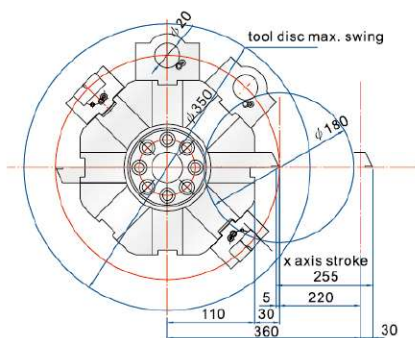
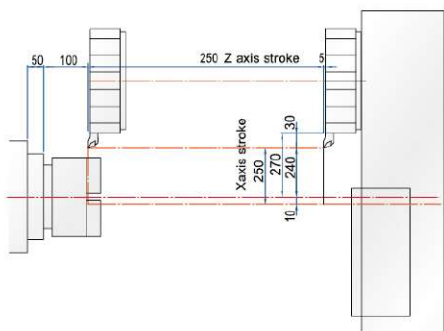
Oil Mister (Optional)



Workpiece Conveyor (Optional)



FTC-10 Working Range





Model

Model	FTC-10
Swing Over Bed	250mm
Swing Over Top Slide	120mm
Distance between Center	90mm
Max. Cutting Diameter	120mm
AC Spindle Motor	AC 9/11KW(15HP)
Spindle Speed	100-5000 RPM
Spindle nose	ISO A2-5
Spindle Hole	52mm
Through Bar Capacity	42mm
Spindle Front Bearing I.D.	70mm
Chuck Size	6" (F-48C)
X-Axis Travel	250mm
Z-Axis Travel	250mm
X-Axis Rapid Speed	15000mm/min
Z-Axis Rapid Speed	15000mm/min
Min. Input Increment	0.001mm
Square Shank Tools Size	20mm
Max. Boring Tool Diameter	20mm
Number of Tools	8+ GANG TYPE
Change Tool Times	1.1 sec
Coolant Pump Motor	1/2 HP
Machine Dimension	2400x1550x2000mm
Floor Space (LxW)	2.5mx2.5m
Machine Weight(Net /Gross)	2150 / 2400 kgs

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

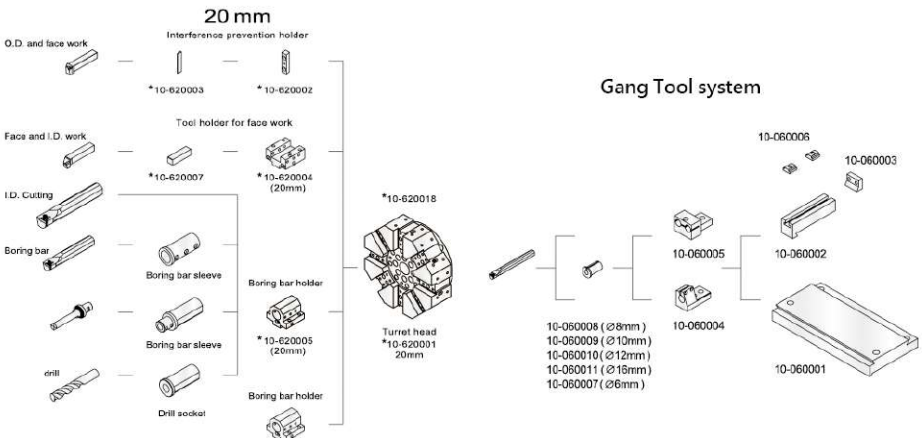
Standard accessories

- 6" 3-Jaws hydraulic chuck
- 8 positions hydraulic servo turret
- Facing tool holder 1pc
- Boring bar tool holder 3 sets
- I.D. sleeve 8,10,12,16/each 1 pc
- Soft jaw 1set
- Removable coolant tank
- Coolant system
- Auto lubrication system
- Heat exchanger for electrical cabinet
- Foot switch
- RS-232 interface
- Work lamp
- Warning lamp
- Leveling bolts and pads
- Tool box with tool kits
- Machine and electrical operation manual

Optional Accessories

- Gang Tool System from the Turret
- Chip-Conveyor and Moving Cart
- Parts catcher
- Workpiece conveyor
- Tool presetter
- Bar feeder interface
- Spindle Point Positioning
- C axis spindle system
- Spindle Air Below
- Auto power off
- VDI turret system
- Simply Live-Tool System
- Collet chuck system ($\psi 42$ or $\psi 52$)
- Transformer

Tool System





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