



# LT-200/260

## High-Precision Horizontal CNC Lathe

High Precision

High Rigidity

High Performance

A2-6/A2-8 Spindle From Taiwan

Servor Turrent 12T From Taiwan

Full Range of Hydraulic Tailstocks



| Models                                 | LT-200/200E(6E42H-FOTF)         | LT-260/260E(8E30H-FOTF)         |
|--|---------------------------------|---------------------------------|
| <b>Capacity</b>                        | Fanuc                           | Fanuc                           |
| Max. Swing Over Bed                    | Ø620mm (22.04")                 | Ø650mm (25.6")                  |
| Max. Swing Over Slide                  | Ø350mm (13.78")                 | Ø470mm (18.5")                  |
| Max. Machining Diameter                | Ø370mm (14.57")                 | Ø560mm (22.04")                 |
| Max. Machining Length                  | 320mm (12.6") / 620mm (22.4")   | 775mm (30.5") / 1275mm (50.2")  |
| Max. Diameter of Bar                   | Ø52mm (2.05")                   | Ø75mm (3")                      |
| <b>Travel</b>                          |                                 |                                 |
| X-Axis Travel                          | 185+15mm (7.08"+0.6")           | 280+20mm (11.02"+0.8")          |
| Z-Axis Travel                          | 350mm (13.77") / 650mm (25.59") | 800mm (31.5") / 1300mm (51.18") |
| Tailstock Travel                       | 230mm (9.05") / 530mm (20.87")  | 770mm (30.31") / 1270mm (50")   |
| <b>Spindle</b>                         |                                 |                                 |
| Spindle Speed Range                    | 4200 (op: 3500)                 | 3000 (op: 2500)                 |
| Chuck Size                             | 8" (op: 10")                    | 10" (Op: 12")                   |
| Spindle Head Type                      | A2-6                            | A2-8                            |
| Spindle Taper Hole Diameter            | Ø66mm                           | Ø86mm                           |
| Front Bearing ID/OD                    | Ø100mm                          | Ø120mm                          |
| Rear Bearing ID/OD                     | Ø90mm                           | Ø110mm                          |
| Spindle Motor Power                    | 11-15kW                         | 15-18.5kW                       |
| Maximum Torque (For 8" Chuck)          | 190Nm                           | 471Nm                           |
| Max. Spindle Speed Torque(For 8"Chuck) | 750rpm                          | 375rpm                          |
| <b>Turret</b>                          |                                 |                                 |
| Number of Tool Stations                | 12T                             | 12T                             |
| Shank Height for Square Tool           | 25*25mm                         | 25*25mm                         |
| Shank Diameter for Boring Bar          | Ø40mm                           | Ø40mm                           |
| Tool Change Time (Adjacent)            | 0.25s                           | 0.25s                           |
| Tool Change Time (180°)                | 0.5s                            | 0.5s                            |
| <b>Feedrate</b>                        |                                 |                                 |
| X Axis Rapid Traverse                  | 30m/min                         | 30m/min                         |
| Z Axis Rapid Traverse                  | 30m/min                         | 30m/min                         |
| Feed Per Revolution                    | 10m/min                         | 10m/min                         |
| <b>Accuracy</b>                        |                                 |                                 |
| XZ Axis Positioning                    | ±0.005mm                        | ±0.005mm                        |
| XZ Axis Repeatability                  | ±0.003mm                        | ±0.003mm                        |
| <b>Bed &amp; Slide</b>                 |                                 |                                 |
| X Roller Type Linear Way               | 45mm (THK)                      | 45mm (THK)                      |
| Z Roller Type Linear Way               | 45mm (THK)                      | 45mm (THK)                      |
| Bed Angle                              | 30°                             | 30°                             |
| <b>Feed Motors</b>                     |                                 |                                 |
| X-Axis Motor                           | 1.8kW                           | 1.8kW                           |
| X-Axis Motor Rated Torque              | 11Nm                            | 11Nm                            |
| Z-Axis Motor                           | 3kW                             | 3kW                             |
| Z-Axis Motor Rated Torque              | 20Nm                            | 20Nm                            |
| <b>Tailstock</b>                       |                                 |                                 |
| Tailstock Moving Type                  | Manual (HM)                     | Z-axis Drive                    |
| Taistock Travel                        | 230mm (9") / 530mm (20.8")      | 770mm (30.3") / 1270mm (50")    |
| Taistock Type                          | Oil Pressure                    | Oil Pressure                    |
| Quill Stoke                            | 100mm                           | 150mm                           |
| Quill Diameter                         | Ø75mm                           | Ø110mm                          |
| Internal Taper of Tailstock Sleeve     | #MT4#                           | #MT5#                           |
| <b>Hydraulic Unit</b>                  |                                 |                                 |
| Pump Motor                             | 1.5kW                           | 1.5kW                           |
| Pump Pressure                          | 35kg/cm <sup>2</sup>            | 35kg/cm <sup>2</sup>            |
| Tank Capacity                          | 40L                             | 40L                             |
| <b>Coolant System</b>                  |                                 |                                 |
| Pump Motor                             | 0.4kW                           | 0.4kW                           |
| Tank Capacity                          | 120L / 150L                     | 250L / 280L                     |
| <b>Central Lubrication</b>             |                                 |                                 |
| Pump Motor                             | 150W                            | 150W                            |
| Tank Capacity                          | 3L                              | 3L                              |
| <b>Others</b>                          |                                 |                                 |
| Power Supply                           | 25KVA                           | 25KVA                           |
| Machine Weight                         | 3200kg / 3500kg                 | 5000kg / 5800kg                 |
| Machine Dimension (L)                  | 2765mm / 3065mm                 | 3590mm / 4375mm                 |
| Machine Dimension (W)                  | 1835mm                          | 1950mm                          |
| Machine Dimension (H)                  | 1855mm                          | 1750mm                          |

★ Specifications Subject To Changed Without Prior Notice. Thanks!

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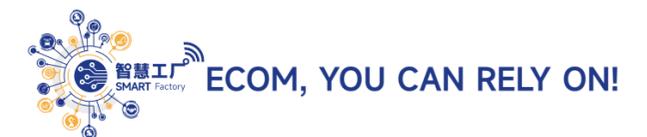
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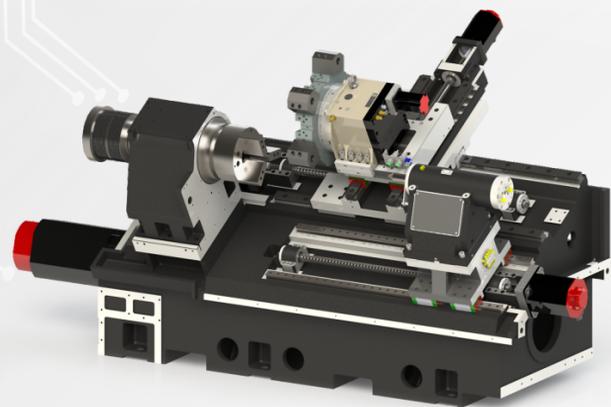
# LT-200/260

## High-Precision Horizontal CNC Lathe

- 1. High Rigidity Design Structure:** The machine features a design structure that prioritizes rigidity, enabling it to handle high-precision and high-efficiency processing operations effectively.
- 2. Materials and Manufacturing Standards:** The castings of the machine are made of gray cast iron (FC300 or above), ensuring durability and stability. Production adheres to international standards, guaranteeing quality and consistency.
- 3. Finite Element Analysis:** The internal rib structures of the machine's supports have undergone finite element analysis. This process strengthens the rigidity of the machine, ensuring stability during operation.
- 4. Precision Hand-Scraped Contact Surfaces:** To maintain accuracy over the long term, the contact surfaces of the machine's parts are meticulously hand-scraped to precision standards. This meticulous attention to detail ensures consistent performance and accuracy throughout the machine's lifespan.

The high-standard configurations include a fully protected design and all essential features.

The wide THK linear guideways are C3 45P with the 3210 and 4010 ballscrew to ensure a layer of guarantee to the rigidity and stability of the machine



### Standard Servo Turret

The width of the expanded cutter head is to reduce interference between tools. The enlarged clutch gear plate has a three-piece structure and is rigidly combined with the turret body.



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Full Range of Hydraulic Tailstocks

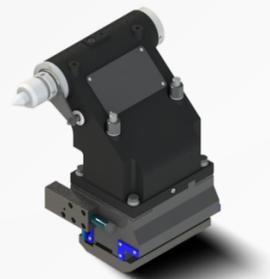
### High Rigidity Spindle

The front end uses NN3020/NN3026 bearings to increase cutting rigidity and shorten cutting time.



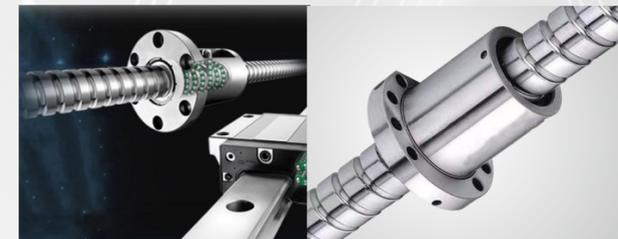
### Hydraulic Tailstock

Hydraulic pressure tailstock, achieving precise positioning at any position. Standard configuration includes manual locking and slide-driven methods.



### C3 Grade Ballscrew

The lathe series is equipped with THK EBC3210S/EBC4010S C3 grade ballscrew as standard to increase cutting stability and reduce thermal elongation.



### #45 Type Roller Linear Rail

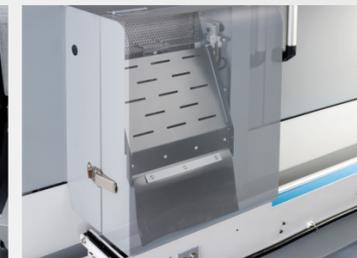
The lathe series comes standard with THK HRX45 type P-level roller linear guide to improve rigidity and stability during the cutting process.



### Optional: Special Configuration



Tool Detection Arm



Automatic Parts Catcher



Bar Feeder



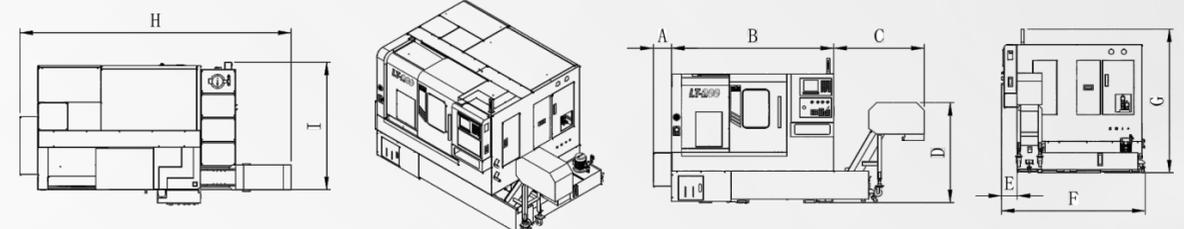
Oil and Water Separator



Oil Mist Collector System



High Pressure Pumps



| Models  | Unit | A   | B    | C    | D    | E   | F    | G    | H    | I    |
|---------|------|-----|------|------|------|-----|------|------|------|------|
| LT-200  | mm   | 230 | 2070 | 1155 | 1285 | 200 | 1835 | 1855 | 3455 | 1635 |
| LT-200E | mm   | 65  | 2540 | 1155 | 1285 | 200 | 1825 | 1855 | 3755 | 1635 |