

CNC Lathe

This CNC lathe is designed for precision machining with stability and accuracy during high-speed operations. It features a user-friendly control panel for programming and monitoring, and an enclosed design for operator safety.



Overview



The STL8 features a robust slant bed design and configurable tooling options for high-efficiency machining.

High-Precision CNC Lathe for Advanced Manufacturing

The STL8 is a high-performance CNC lathe featuring a cast mono-block, 35-degree slant bed design for maximum stability and precision during high-speed operations. Equipped with a high-speed bi-directional indexing turret and a hydraulic tailstock, it is designed to increase efficiency and reliability in diverse turning applications. Its ergonomic control panel and enclosed safety design make it a versatile solution for professional manufacturing environments.

Key Performance Metrics

Key Performance Metrics

4000 RPM

Max Spindle Speed

450 mm

Max Swing Diameter

450 mm

Max Workpiece Length

20 m/min

Rapid Traverse (X/Z)

Machine Structure

Machine Characteristics

- Cast Mono-Block Construction
- 35° True Align Slant Bed Structure
- Linear Motion (LM) Guideways
- Servo Spindle Motor with Constant Torque
- Handheld Electronic Hand Wheel
- Schneider Quality Electrical Components

Technical Specifications

Capacity & Spindle

Parameter	Value
Chuck Size	8 inch (Standard) / 10 inch (Optional)
Max. Swing Over Slide	220 mm
Spindle Bore	62 mm / 75 mm
Max. Through-hole Diameter	52 mm / 65 mm
Spindle Nose Type	A2-6 / A2-8
Main Motor Power	7.5/11 kW or 11/15 kW

Tooling & Tailstock

Turret & Tailstock Details

Feature	Specification
Turret Stations	8 (Standard) / 12 (Optional)
Tool Shank Size	25x25 mm / 20x20 mm
Tailstock Type	Hydraulic / SST / HPT
Tailstock Quill Taper	MT4
Tailstock Quill Travel	90 mm
Tailstock Total Travel	100-450 mm

Standard Features

Standard Equipment	Hydraulic 3-Jaw Chuck, 8-Station Turret, Automatic Lubrication System, Automatic Coolant System, Hydraulic Tail Stock
--------------------	---

Optional Configurations

Optional Features	12-Station Turret, Tool Setter, Chip Conveyor, Alternative CNC Control Systems, Custom Chucks & Collets
-------------------	---

Physical Dimensions

Machine Weight	3700 kg
Overall Dimensions (LxWxH)	2650 x 2000 x 2050 mm
Power Capacity	15 kVA