



# CNC Lathe Machines

## Roturn 360 CNC (Si)



**SKU : 470637**

### TRIAL MACHINE

This machine from the ROTURN series is designed as an economical entry into CNC manufacturing. The compact machine frame is designed as a stable, modern slant bed machine with linear guides in all axes. The Siemens Sinumerik 808 D control system provides a smooth introduction to the latest CNC technology. A tool turret, a 3-jaw chuck and a coolant system round off the equipment for demanding single-piece production and efficient machining of small series.

- Siemens Sinumerik 808D
- Tool turret for external and internal machining
- Linear guides and ball screws in all axes
- Machine housing

## TECHNICAL SPECS

### WORKING AREA

Center height	175 mm
Turning diameter over bed	350 mm
Turning diameter over support	100 mm

### TRAVELS

Travel X-axis	180 mm
Travel Z-axis	215 mm

### HEADSTOCK

Speed range	50 1/min - 3000 1/min
Spindle mount	A2-5
Lathe chuck diameter	160 mm
Spindle bore	40 mm

### RAPID FEED

Rapid feed X-axis	10000 mm/min
Rapid feed Z-axis	10000 mm/min

### TOOLING

Number of tool stations	8 positions
Shank size	16 mm
Boring bar mount Ø	12 mm

### DRIVE CAPACITY

Motor rating main drive	4 kW
Motor rating coolant pump	0.18 kW

### MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	1.75 m x 1.45 m x 2.02 m
Weight	1150 kg



*The tool turret can be fitted with tools for inside and outside machining*



*The large control cabinet is equipped with high-quality components*



*An automatic central lubrication system reliably supplies all lubrication points and simplifies maintenance*

## PRODUCT DETAILS

### Machine Set-up

- The ROTURN 360 is designed as a compact slant bed lathe and fully enclosed for safety, efficiency and longevity
- The machine bed is made of thick-walled cast iron and impresses with its excellent damping properties
- The bed slide and tailstock move on high-quality linear guides that are low-maintenance, durable and precise
- High-quality ball screws and servo drives ensure dynamic feed and high positioning and repeat accuracy in both axes
- The support has a ground clamping surface with 3 T-slots
- The machine base is also a stable cast iron construction with a large, integrated chip tray

### Main spindle stock

- The main spindle is driven by a powerful motor with infinitely variable speed control
- The high-quality DELTA inverter guarantees high torque across the entire speed range
- The large spindle bore allows long workpieces to be clamped through the main spindle
- A manual 3-jaw chuck with through-hole is included as standard

### Tool Changer

- The standard automatic tool turret with 8 positions makes the machine flexible and productive
- The tool changer is mounted on a clamping surface that also allows the use of alternative tool holders if required

### Operating

- The ergonomics of the machine enable quick and easy operation
- The enclosed working area is easily accessible through the large sliding door, which greatly facilitates workpiece handling
- The electronic handwheel facilitates the setup of tools and workpieces

### Control

- The SINUMERIK 808D is perfectly suited for the compact ROTURN
- The CNC technology from technology leader Siemens, combined with a modern operating concept, makes the SINUMERIK 808D the perfect entry into the world of CNC and is also a powerful and reliable solution for experienced users

### Equipment

- The machine housing ensure operator safety, protect the machine from environmental factors, reduce noise and contain emissions
- The automatic central lubrication system reliably supplies lubrication to all points, making machine maintenance easier
- All guideways are protected by sturdy stainless steel covers.
- A powerful coolant pump and a bright LED work area light are also included

### Standard Equipment:

- Siemens 808D control
- 3-jaw chuck 160 mm with bore
- Heat-exchanger for control cabinet
- Enclosed housing
- LED work lamp
- Coolant system
- Automatic central lubrication system
- Operating tools
- Operating instructions for machine and control system



## KNUTH on YouTube

### Information to the point

On our YouTube channel you can find videos for nearly all machines from our program. We show the machines from current deliveries and you get an impression of the handling, the processing quality and the machining performance.

**Are you interested in a machine for which you cannot find a current video?  
Please feel free to contact us!**