

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