

CNC Flat Bed Lathes

Numturn S 560/1500

SKU : 470627

TRIAL MACHINE

Our Numturn series is the perfect solution for large workpieces that require a powerful CNC lathe. The robust box-way design ensures maximum precision. The control is extremely user-friendly. Two electronic hand-wheels let the user operate the machine just like a manual lathe. Options are available to customize the machine for special requirements. The Numturn series is the best choice for maintenance/service departments or single parts production.

- Powerful main drive for heavy machining
- 8-station VDI tool changer
- 2 electronic hand-wheels
- Tailstock with hydraulic quill



TECHNICAL SPECS

WORKING AREA

Center width	1370 mm
Center height	280 mm
Turning-Ø over bed (max.)	560 mm
Turning-Ø over support	310 mm
Turning length (max.)	1100 mm
Bed width	405 mm
Turning diameter (max.)	360 mm

TRAVELS

Travel X-axis	320 mm
Travel Z-axis	1300 mm

HEADSTOCK

Speed range	27 1/min - 1630 1/min
Spindle mount	A2-8
Spindle bore	80 mm
Spindle capacity with draw tube	63 mm

RAPID FEED

Rapid feed X-axis	8000 mm/min
Rapid feed Z-axis	10000 mm/min

TOOLING

Number of tool stations	8 positions
attributes.MEG-000015.MER-002695	25 mm x 25 mm

TAILSTOCK

Tailstock taper	5 MT
Tailstock quill diameter	75 mm
Tailstock quill stroke	150 mm

DRIVE CAPACITY

Motor rating main drive	11 kW
Motor rating X-axis	2.2 kW
Motor rating Z-axis	2.2 kW
Motor rating coolant pump	0.13 kW

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	3.74 m x 1.9 m x 2.11 m
Weight	4000 kg



PRODUCT DETAILS

Machine Design

- The heavily ribbed machine frame features wide hardened v-block guideways for machining long and heavy workpieces
- A powerful Siemens servo motor drives the main spindle via a manually shiftable 4-step transmission
- It features infinitely variable spindle speed in every gear step and high torque across the entire speed range
- Premium preloaded ball screws and servo drives ensure dynamic feed and precise positioning on both axes
- Controls and ergonomics conform to the current Numturn generation ensuring quick user familiarization
- The tailstock with hydraulic quill is easy to handle and features high clamping force

Tool Changer

- An automatic 8-station VDI tool turret is part of the standard package and ensures maximum flexibility and productivity
- Coolant nozzles are positioned directly at the turret tool mounts and are supplied with coolant by a high-pressure pump ensuring exact and effective tool cooling

Control

- The Siemens 828D control with Siemens drives is the optimum solution for demanding milling jobs
- X and Z axes can be moved via 2 electronic hand wheels for quick and intuitive setup and manual machining

Equipment

- The hydraulic chuck with adjustable clamping force has a through-hole for holding longer workpieces through the spindle
- The totally enclosed machine body features a wide-opening sliding door for easy access
- An automatic central lubrication system reliably supplies all lubrication points and simplifies maintenance
- Electronics are protected within a fully enclosed control cabinet, and a powerful heat exchanger manages the temperature

Standard equipment, functional descriptions, and specifications may deviate

Standard Equipment

- Siemens 828D control
- Hydraulic tailstock with foot switch
- Hydraulic 3-jaw power chuck, 250mm diameter with through-hole and foot switch
- Hydraulic unit
- Electric VDI tool turret with 8 stations
- Radial tool holders (3 each)
- Boring bar holder (1 each)
- Teach-in console with 2 hand-wheels and joysticks
- Mobile electronic hand-wheel
- Coolant System
- Automatic central lubrication system
- Heat-exchanger for control cabinet
- Totally enclosed cabinet
- LED work lights
- Tri-color alarm light
- Operating tools
- User Guide