

CNC Lathe Machines

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	53.94 in
Center height	11 in
Turning-Ø over bed (max.)	22 in
Turning-Ø over support	12 in
Turning length (max.)	43 in
Bed width	16 in
Turning diameter (max.)	14 in

TRAVELS

Travel X-axis	12.6 in
Travel Z-axis	51 in

HEADSTOCK

Speed range	27 rpm - 1630 rpm
Spindle mount	A2-8
Spindle bore	3.1 in
Spindle capacity with draw tube	2 in

RAPID FEED

Rapid feed X-axis	314.96 in/min
Rapid feed Z-axis	393.7 in/min

TOOL HEAD

Number of tool stations	8 positions
Tool shank dimensions	1 in x 1 in

TAILSTOCK

Tailstock taper	5 MT
Tailstock quill diameter	3 in
Tailstock quill stroke	6 in

DRIVE CAPACITY

Motor rating main drive	14.8 Hp
Motor rating X-axis	3 Hp
Motor rating Z-axis	2.95 Hp
Motor rating coolant pump	0.2 Hp

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	148 in x 75 in x 84 in
Weight	8800 lbs



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