

SKU : 180143

Our Numturn series is the perfect solution for small to medium sized workpieces to be machined on a powerful CNC lathe. The robust box-way design provides high rigidity and a large workspace. The SIEMENS CNC is carefully matched to the respective application. Two electronic hand-wheels ensure quick set-up and allow use of the machine like a manual lathe. The Numturn series is the best choice for maintenance/service departments or single parts production.

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



TECHNICAL SPECS

WORKING AREA

Turning-Ø over bed	420 mm
Bed width	300 mm
Center height	210 mm
Turning-Ø over support	220 mm
Turning length (max.)	580 mm
Center width	655 mm
Maximum workpiece weight	250 kg

TRAVELS

Travel X-axis	215 mm
Travel Z-axis	624 mm

HEADSTOCK

Speed range	20 1/min - 2500 1/min
Spindle mount	A2-6
Spindle bore	66 mm
Spindle bore with draw tube	48 mm

RAPID FEED

Rapid feed X-axis	6000 mm/min
Rapid feed Z-axis	8000 mm/min

TOOLING

Number of tool stations	8 positions
Shank size	20 mm

TAILSTOCK

Tailstock taper	4 MT
Tailstock quill diameter	60 mm
Tailstock quill stroke	120 mm

DRIVE CAPACITY

Motor rating main drive	7.5 kW
Total power consumption	15 kVA

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	2.73 m x 1.8 m x 1.78 m
Weight	2220 kg



PRODUCT DETAILS

Machine Set-up

- The heavily ribbed machine frame features wide hardened v-block guideways for machining long workpieces
- A powerful 7.5 kW motor with infinitely variable speed drives the main spindle
- Premium preloaded ball screws and servo drives ensure consistent dynamic feed and precise positioning on both axes
- The tailstock with hydraulic quill impressively easy to handle and features high clamping holding force



Tool Changer

- An automatic 8-station tool turret is part of the standard package and ensures maximum flexibility and productivity
- A powerful coolant pump feeds the tool mount nozzles through the turret to ensure precise and effective cooling

Operating

- The NUMTURN series provides state-of-the-art ergonomics for quick and easy operation
- The button and hand-wheel functions are displayed intuitively on the movable control panel
- Both electronic hand-wheels allow precise control of X and Z axes, simplifying machine set-up and speeding up manual machining



Control

- The SINUMERIK 808D ADVANCED is a perfect match for the Numturn series' application profile
- Leading CNC technology plus a revolutionary operating concept make the SINUMERIK 808D ADVANCED the perfect entry-level machine for newcomers in the world of CNC machining
- The Manuel Machine + (MM+) Software package is included
- It allows machining of workpieces without having to create a complete parts program



Equipment

- The hydraulic chuck with adjustable clamping force has a through-hole for holding longer workpieces through the spindle
- The totally enclosed machine 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
- Hand guns for coolant and compressed air are mounted easily accessible at the machine



STANDARD EQUIPMENT

Siemens 808D MM+ control
 2 electronic handwheels
 8-position electric tool turret
 Hydr. 3-B lathe chuck 200 mm with bore
 Hydraulic tailstock
 Air gun
 Coolant gun
 Coolant device
 Heat exchanger for electrical control cabinet
 Automatic central lubrication
 Operating tool
 Operator instructions

OPTIONAL EQUIPMENT

- Upgrade from Siemens 808D to Siemens 828D, SKU : 254254
- Siemens: Shopturn, SKU : 254255
- Chain chip conveyor with chip container, SKU : 254256
- Drill tool holder, SKU : 254257
- Axial tool holder, SKU : 254258
- Radial tool holder, SKU : 254259



KNUTH on YouTube Information to the point

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