



# CNC Slant Bed Lathes Roturn 402 M

## SKU : 180624

This ROTURN M Series machine has all the features of a classic compact CNC production lathe. Modern, rigid inclined-bed design with linear guides on all axes, powered collet chuck and hydraulically moved tailstock quill. Including C-axis, 12-station tool turret, and driven tools for axial and radial drilling and milling A link conveyor for chip removal and a highly efficient coolant system complete the equipment package. The Siemens 828 D Basic control meets all requirements for advanced control technology.

- Powerful main spindle motor
- High-resolution C-axis
- 12-station tool turret with driven tools
- Chip conveyor included
- Siemens 828 control



## TECHNICAL SPECS

### WORKING AREA

Workpiece length (max.)	13 in
Center height	8 in
Turning diameter over bed	16 in
Turning diameter over support	10 in
Machining length (max.)	13 in

### TRAVELS

Travel X-axis	5.9 in
Travel Z-axis	15 in

### HEADSTOCK

Lathe chuck diameter	10 in
Speed range	50 rpm - 2000 rpm
Spindle mount	A2-8
Spindle bore	3.4 in
Spindle bore with draw tube	3 in

### RAPID FEED

Rapid feed X-axis	787.4 in/min
Rapid feed Z-axis	984.25 in/min

### TOOL HEAD

Number of tool stations	12 positions
Tool shank dimensions	0.8 in x 0.8 in
Boring bar mount Ø	1.3 in
Speed, driven tools	3000 rpm

### TAILSTOCK

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

### DRIVE CAPACITY

Main motor rating	15 / 11 Hp
Motor rating coolant pump	0.2 Hp
Motor rating, driven tools	3 Hp
Driven tools, continuous load	3.08 Hp

### MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	148 in x 75 in x 76 in
Weight	8272 lbs

## PRODUCT DETAILS

### Highlights

- Future-proof: the Siemens 828 D Basic control meets all requirements for advanced control technology
- A hydraulic 3-B chuck with passage is included in the scope of delivery as standard
- Hinged belt conveyor and high-performance coolant system included in standard equipment

### Machine Design

- Heavy machine frame with inclined bed ensuring high rigidity and easy chip removal
- Precise linear guides in X and Z for high stability and accuracy even at highest loads
- The enclosed work space is easily accessible through a large sliding door
- Tailstock with hydraulically operated quill
- Automatic central lubrication system ensures reliable lubrication of guideways

### Spindle

- Max. spindle speed 3,000 rpm (Roturn 400M) or 2,000 rpm (Roturn 402M)
- Motor rating 15 / 20 HP

### Tool Changer

- The 12-station tool turret driven tools (BMT) ensures a large work area and quick and precise tool changes
- Solid structure and powerful clamping virtually eliminate vibrations resulting in longer tool life
- Powerful main drive and a wide speed range for milling, drilling and thread cutting
- High-resolution C-axis allows for precise contour cutting and precise positioning

## STANDARD EQUIPMENT

12-station tool changer with driven tools  
1 Driven tool holder, radial  
1 Driven tool holder, axial  
Rod loader interface  
Messzyklen (6FC5800-0AP28-0YB0 )  
Siemens 828 D control  
Hydraulic 3-jaw lathe chuck, Ø 200 mm with bore  
Hydr. tailstock  
Automatic central lubrication  
Chain-type chip conveyor  
Heat exchanger for electric control cabinet  
Enclosed work space  
LED work lamp  
Coolant system  
Compressed air gun  
Coolant gun  
Operating tools  
Operator manual