

# CNC Flat Bed Lathes

## Numturn 500/1500 FA

**SKU : 423496**

### CUSTOM MODEL

The CNC box-way lathes of the Numturn 500 Series are suitable for a wide spectrum of applications. They are ideal for single parts production and also for cost-effective small batch production of larger workpieces. The standard package includes an automatic 8-station tool turret and a hydraulic power chuck providing even more flexibility and productivity. The Fagor control is a superior tool for workshop programming and an easy to use CNC solution with an excellent price/performance ratio.

- Fagor 8055i control
- 8-station servo-driven tool turret
- Hydraulic power chuck
- Tailstock with hydraulic quill



## TECHNICAL SPECS

### WORKING AREA

Workpiece length (max.)	1450 mm
Turning-Ø over bed (max.)	500 mm
Turning-Ø over support	300 mm
Turning length (max.)	1230 mm

### TRAVELS

Travel X-axis	260 mm
Travel Z-axis	1420 mm

### HEADSTOCK

Speed range	60 1/min - 2000 1/min
Spindle mount	A2-8
Lathe chuck diameter	250 mm
Spindle capacity with draw tube	70 mm

### RAPID FEED

Rapid feed X-axis	4000 mm/min
Rapid feed Z-axis	8000 mm/min

### TOOLING

Number of tool stations	8 positions
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### ACCURACIES

Positioning accuracy X-axis	± 0,006 mm
Positioning accuracy Z-axis	± 0,008 mm
Repeatability X-axis	± 0,005 mm
Repeatability Z-axis	± 0,008 mm

### TAILSTOCK

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

### DRIVE CAPACITY

Motor rating main drive	15 kW
Main drive, continuous load	11 kW
Torque of drive X	10 Nm
Torque of drive Z	15 Nm
Motor rating coolant pump	0.125 kW

### MEASURES AND WEIGHTS

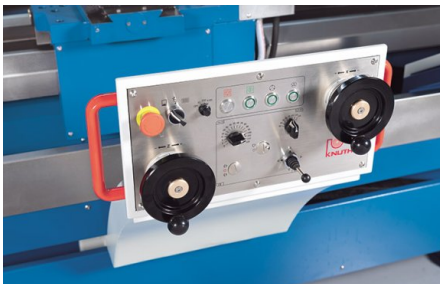
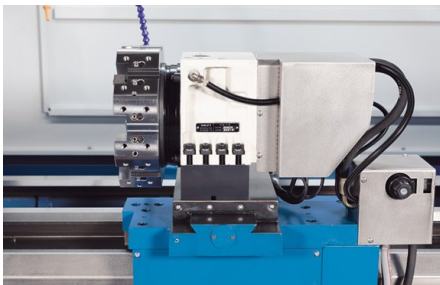
Overall dimensions (length x width x height)	3.21 m x 1.23 m x 1.6 m
Weight	3300 kg



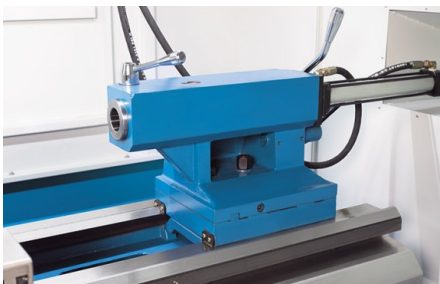
*The Fagor 8055 CNC provides an intuitive workshop programming solution via simple graphic-based dialog buttons*



*Automatic 8-station tool turret with hydraulic clamping*



*Two electronic hand-wheels provide the familiar ergonomics of a conventional machine and allow fast setups and manual machining*



*Rigid and easy to position tailstock with hydraulically moved quill*

## PRODUCT DETAILS

- Heavy ribbing of the machine frame and wide hardened V-guides for heavy-duty machining
- Headstock and main spindle are designed for constant precision and optimum temperature balance
- High-quality spindle bearings ensure error-free continuous operation
- The heavy-duty tailstock is easy to handle and features high clamping force
- The automatic 8-station servo-driven turret with hydr. clamping is part of the standard package and ensures maximum flexibility and productivity
- Hydraulic chuck with adjustable holding force included in standard equipment
- Completely lockable machine enclosure with easy access via sliding door
- The operating elements and ergonomics correspond to the current Numturn generation and guarantee a quick familiarisation
- Smart central lubrication system for low-maintenance operation

## STANDARD EQUIPMENT

Fagor 8055i control  
 2 electronic hand-wheels  
 8-station servo tool post  
 Hydr. tailstock  
 Hydr. 3-jaw chuck Ø 250 mm  
 Automatic central lubrication  
 Work lamp  
 Operating tools  
 Operating manual and programming instructions



## KNUTH on YouTube

### Information to the point

On our YouTube channel you can find videos for nearly all machines from our program. We show the machines from current deliveries and you get an impression of the handling, the processing quality and the machining performance.

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