

U-Turn 265/400 CNC • 20" x 15.75" Slant Bed Lathe



The U-Turn slant bed lathe series is a highly efficient solution for high-speed turning applications, featuring linear guideways on the X and Z axes and a rapid traverse rate of 30M/Min. The machine's 30-degree slant bed structure enhances its stability and accuracy, making it perfect for precision machining tasks. The U-Turn series is made of Meehanite cast iron for all structural parts, which provides strength and durability.

The U-Turn series utilizes hardened and ground ballscrews for precise traversing and consistent machining accuracy, while the high-performance linear guide way design on X and Z axes provides advantages such as high precision, low abrasion, and high speed. Additionally, the machine's fully enclosed splash guard ensures a safe and clean working environment for operators.

The hydraulic turret of the U-Turn series enables bi-directional and random tool selection, allowing for fast tool changes. It also utilizes a high precision Hirth tooth coupling for accurate tool positioning, ensuring consistent performance over long periods of operation. The headstock and tailstock of the U-Turn series feature sturdy designs with finely bored inner bores and symmetrically designed external ribs, resulting in low vibration, low noise, and low temperature rise during operation.

Standard Configuration:

- FANUC OiTF Controller
- 3-jaw Hydraulic Chuck
- Soft Jaws (1 set)
- Hard Jaws (1 set)
- Fully Enclosed Splash Guard
- Heat Exchanger for Electrical Cabinet
- Chain Type Chip Conveyour w/Chip Cart
- Auto Lubrication System
- Program Light
- Programmable Tailstock
- Hydraulic System
- Coolant System
- Work Light
- Tool Kit
- Leveling Bolts & Pads



Specifications		
Max. Swing over bed	mm	Ø530 (20.8")
Max. Swing over carriage	mm	Ø300 (11.8")
Max. Cutting Diameter	mm	Ø370 (14.5")
Max. Cutting Length	mm	400 (15.7")
Spindle Nose Taper		A2-6
Chuck Diameter	mm	Ø203 (8")
Spindle Speed	rpm	4500
Spindle Motor Power	kW	11 (15Hp)
Bar Capacity	mm	44 (1.73")
Travels	mm	Z 400 (15.7")
		X 185+15 (7.2+.59")
Rapid Feed X/Z Axis	m/min	30 (1,200"/m)
Cutting Feed X/Z Axis	m/min	10 (400"/m)
Number of Tools		12
Square Tool Shank Size	mm	20 (0.78")
I.D Boring Bar Diameter	mm	Ø32 (1.25")
Tailstock Body Travel	mm	350 (13.7")
Tailstock Quill Travel	mm	75 (2.95")
Tailstock Quill Diameter	mm	75 (2.95")
Quill Taper		MT 4
Dimensions	mm	2300x1700x1300 (91x67x52")
Weight	kg	2300 (5,060 lbs)

