

# XYZ CT 65 HD



SPINDLE 23 HP / 17 kW  
200 mm HYDRAULIC CHUCK  
66 mm BAR CAPACITY  
4,000 RPM  
SMALL FOOTPRINT

SIEMENS  
Touchscreen

510mm Z Travel



The **XYZ CT 65 HD** with box way slides delivering powerful heavy duty turning.

Due to customer demand we have increased the maximum turned length of the Compact Turn from 260mm to 510mm. Each machine comes with a wide range of standard equipment normally offered as options on competitor machines, these include hydraulic chuck, 12 station VDI Sauter Turret, Renishaw tool setting, swarf conveyor and tailstock. The control is the latest Siemens Touchscreen 828D with ShopTurn conversational control making the XYZ CT 65 HD ideal for both experienced and novice CNC users.

The XYZ CT 65 HD is perfect for the subcontractor who doesn't know what job or material is coming next. This 2 axis machine and a CNC Milling machine or VMC can often be a more versatile and cost effective combination, than buying a Turning Centre with Y axis or live tool turret.

*All XYZ Turning Centres are manufactured from Solid Meehanite Ribbed Castings giving them excellent rigidity and stability. Spindle housings are designed to dissipate heat and reduce headstock growth.*



**For the full build specification of the XYZ Turning Centres see pages 19 and 20 of the XYZ Turning Catalogue.**

# XYZ CT 65 HD

**SPINDLE 23 HP / 17 kW**  
**200 mm HYDRAULIC CHUCK**  
**66 mm BAR CAPACITY**  
**4,000 RPM**  
**SMALL FOOTPRINT**

## Standard Equipment

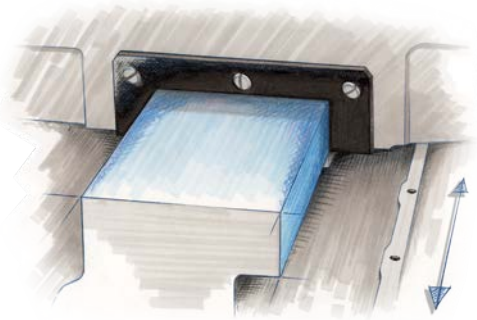
**Siemens 828D ShopTurn Touchscreen Control.**  
**PLC written by Siemens UK.**  
**Hydraulic 200mm 3 Jaw Chuck.**  
**Sauter 'German' VDI Turret.**  
**Parts Catcher.**  
**Through Tool and Flood Coolant.**  
**Remote Electronic Handwheel.**  
**USB Port.**  
**Networking.**  
**Renishaw Automatic Tool Setting Arm.**  
**Swarf Conveyor & Bin.**  
**Hydraulic Tailstock.**

## Optional Equipment

**Collet Chuck.**  
**Hydraulic 250mm 3 Jaw Chuck.**  
**Bar Puller.**  
**Barfeed Units.**  
**Offline Programming.**  
**Contour Handwheel**  
*(wind the handwheel to run through the program).*  
**Advanced Swarf Management System.**

## With Hard Box Way slides

The **XYZ CT 65 HD** features the latest in high quality Hard Box Way slide technology.



	<b>XYZ CT 65 HD</b>
Power chuck diameter	200 mm
Maximum swing	400 mm
Swing over carriage cover	260 mm
Maximum turned diameter	220 mm
Maximum turned length	510 mm
X axis travel	175 mm
Z axis travel	525 mm
Spindle centre height from floor	998 mm
Spindle nose	A2-6
Bar capacity	65 mm
Spindle front bearing internal dia	110 mm
Max spindle speed	4,000 rpm
Spindle motor	23 HP / 17 kW
Min spindle speed for full power	1,500 rpm
X & Z axis rapid traverse rate	20 m/min
X axis slideway configuration	Hard box way
Z axis slideway configuration	Hard box way
Ballscrew diameter (X & Z)	28/40 mm
Servo motors	11Nm
Turret	12 Station 30VDI
Turning tool shank dimensions	20 x 20 mm
Max. boring bar diameter	32 mm
Tailstock quill taper	MT4
Quill diameter and travel	75 / 120 mm
Max. quill thrust	800 kg
Coolant tank capacity	80 litre
Coolant pump delivery	30l/min @ 2.5 Bar
Machine weight	3,600 kg
Footprint W x D x H approx with conveyor	2,950 x 2,030 x 1,650 mm

Conforming to ISO 13041	
Positional accuracy	+/- 5 microns
Repeatability	+/- 2 microns
Cutting accuracy over 100mm	10 microns
Geometric accuracy over 100mm	10 microns



Part of the **XYZ Turning Catalogue** which includes:  
**ProtoTRAK® Lathes.**  
**Turning Centres.**  
**XL Extra Large Lathes.**  
**Oil Country Lathes.**  
**Mobile Robotic Automation.**  
**Manual Mills & Lathes.**  
**Grinders.**  
**Tooling & Accessories.**



Visit [www.xyzmachinetools.com](http://www.xyzmachinetools.com) or the YouTube channel to see the video.