

## XYZ 660 HD

SPINDLE 28 HP / 21 kW  
720 x 420 mm TABLE  
660 x 450 x 500 mm TRAVEL  
10,000 RPM SPINDLE  
SOLID CASTING 3,400 KG

**SIEMENS**  
Touchscreen

**HEIDENHAIN**  
Touchscreen

**HD**  
HEAVY DUTY



Shown with **HEIDENHAIN** touchscreen control

The new XYZ 660 HD with increased travels in X & Y of 660 mm and 450 mm.

With a small footprint of just 2,000 x 2,100 x 2,600 mm this VMC will give modern day production capabilities to most shopfloors, with room to spare! The **XYZ 660 HD** is the smallest HDVMC in our range with a solid ribbed casting, wide box slideways and powerful direct drives on all three axes. The **XYZ 660 HD** features an automatic 12 station toolchanger and can accommodate most components with travels of 660 mm x 450 mm x 500 mm.

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## Standard Equipment

**Siemens 828D ShopMill Touchscreen Control or Heidenhain TNC 620 Touchscreen Control.**  
**Optimised Digital Servo's.**  
**Hardened Table.**  
**Rigid Tapping.**  
**High Pressure Flood Coolant.**  
**Coolant Washdown.**  
**LED Worklight.**  
**12 Station Tool Changer.**  
**Remote Electronic Handwheel.**  
**Easy Clean Swarf Tray.**  
**Steel Concertina Guards on all Axes.**  
**Stainless Steel Floor Pan.**  
**Powder Coated Guarding.**  
**Pull Studs.**  
**Networking.**  
**USB Port.**

## Optional Equipment

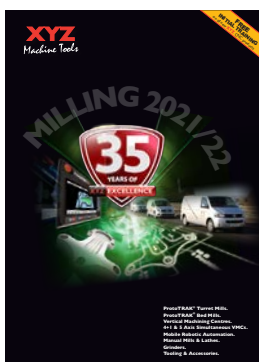
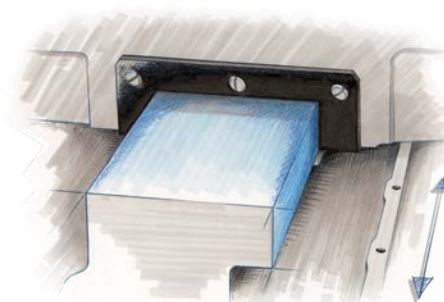
**4th Axis Rotary Table.**  
**5th Axis Rotary Table.**  
**Swarf Conveyor & Bin.**  
**12,000 rpm Spindle.**  
**Through Spindle Coolant.**  
**Offline Programming.**  
**Renishaw/Heidenhain Toolsetting and Probing.**  
**Contour Handwheel (*wind the handwheel to run through the program*).**  
**Oil Skimmer.**  
**Advanced Swarf Management System.**  
**DXF Reader.**

	<b>XYZ 660 HD</b>
X travel	660 mm
Y travel	450 mm
Z travel	500 mm
Table size	720 x 420 mm
Spindle centre to column	490 mm
Spindle to table	100 - 600 mm
Column front to table centre	290 - 740 mm
Rapid feed XYZ axis	24 M/min box way
Cutting feed rates	24 M/min
Max table load	500 kg
T slot size	16 mm
T slot number & pitch	4 @ 100 mm
Spindle speed	10,000 rpm (12,000 optional)
Spindle motor	28 HP / 21 kW
Spindle taper	BT 40
Tool magazine capacity	12 carousel
Tool change time <i>tool to tool</i>	4-5 sec
Max tool diameter	95 mm
Max tool weight	6 kg
Coolant capacity	130 L
Ballscrew size (grade C3)	32 mm P10
AC servo motor size	X and Y 8.5Nm Z 12Nm
Machine weight	3,400 kg
Footprint W x D x H	2,000 x 2,100 x 2,600 mm

Conforming to ISO 10791	
Positional accuracy	+/- 5 microns
Repeatability	+/- 2 microns
Circularity over 300mm	8 microns
Geometric accuracy over 300mm	8 microns

## With Hardened Box Way Slides

*The combination of machine weight and hardened box slideways guarantees a highly rigid machining platform on the XYZ HD range.*



Part of the **XYZ Milling Catalogue** which includes:  
**ProtoTRAK® Turret Mills.**  
**ProtoTRAK® Bed Mills.**  
**Vertical Machining Centres.**  
**4+1 & 5 Axis Simultaneous VMCs.**  
**Mobile Robotic Automation.**  
**Manual Mills & Lathes.**  
**Grinders.**  
**Tooling & Accessories.**



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