

## XYZ 660 HD

**Spindle: 21kW (28hp) 10,000 rpm**  
**Table Size: 720 x 420mm**  
**Travels: 660 x 450 x 500mm**  
**Machine Weight: 3,400kg**

**SIEMENS**  
Touchscreen

**HEIDENHAIN**  
Touchscreen

**HD**  
HEAVY DUTY

**HARDENED BOX  
SLIDWAYS**



Shown with **HEIDENHAIN** touchscreen control

The XYZ 660 HD is the smallest HD VMC in our range.

With a small footprint of just 2,220 x 2,850 x 2,630mm, the **XYZ 660 HD** will give modern day production capabilities to most shopfloors, with room to spare! With a solid ribbed casting, wide box slideways and powerful direct drives on all three axes, this VMC features an automatic 12 station toolchanger and can accommodate most components with travels of 660 x 450 x 500mm.

# XYZ 660 HD

## Standard Equipment

- Siemens 828D ShopMill Touchscreen Control or Heidenhain TNC 620 Touchscreen Control.
- Optimised Digital Servo Drives.
- Hardened Table.
- Rigid Tapping.
- High Pressure Flood Coolant.
- LED Worklight.
- 12 Station Carousel ATC.
- 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

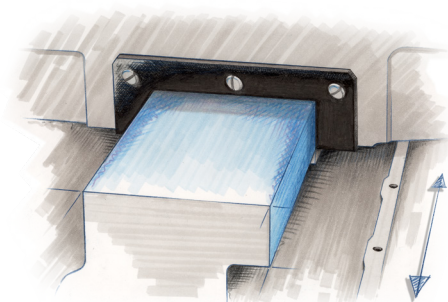
- 4th Axis Rotary Table.
- 5th Axis Rotary Table.
- Swarf Conveyor & Bin.
- 12,000 rpm Spindle.
- Through Spindle Coolant.
- Offline Programming.
- Renishaw/Heidenhain Toolsetting and Probing.
- Contour Handwheel (*wind the handwheel to run through the program*).
- Oil Skimmer.
- Advanced Swarf Management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

Specification	XYZ 660 HD
X Axis Table Travel	660mm
Y Axis Table Travel	450mm
Z Vertical Travel	500mm
Table Size	720 x 420mm
Spindle Centre to Column	490mm
Spindle to Table	100 - 600mm
Column Front to Table Centre	290 - 740mm
Rapid Feedrate	24 M/min
Cutting Feedrates	1 - 24,000 MM/min
Max Table Load	500kg
T Slot Size	16mm
T Slot Number & Pitch	4 off @100mm Pitch
Spindle Speeds	5 - 10,000 rpm (12,000 Opt)
Spindle Motor	21kW (28hp)
Spindle Taper	BT40 (SK & Cat Opt)
Toolchanger	12 Station Carousel
Toolchange Time	8 secs
Max Tool Diameter	90mm
Max Tool Weight	6kg
Coolant Tank Capacity	130L
Ballscrew (Grade C3)	32mm Dia P10
AC Digital Servo Motors Max Torque	X = 8.5 Nm / Y = 8.5 Nm Z = 12 Nm 3,000 rpm
Machine Weight	3,400kg
Footprint	2,220 x 2,850 x 2,630mm

Conforming to ISO 10791	
Positional accuracy	+/- 5 microns
Repeatability	+/- 2 microns
Circularity over 300mm	10 microns
Geometric accuracy over 300mm	10 microns

## With Hardened Box Way Slides

The combination of machine weight and hardened box slideways guarantees a highly rigid machining platform on the Machining Centres.



Part of the **XYZ Catalogue 2024/25** which includes:  
**ProtoTRAK® Turret Mills.**  
**ProtoTRAK® Bed Mills.**  
**ProtoTRAK® TMCs.**  
**Vertical Machining Centres.**  
**5 Axis Simultaneous VMCs.**  
**Manual Mills & Lathes.**  
**Grinders.**  
**Tooling & Accessories.**



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