

## XYZ I 100 HD

Spindle: 21kW (28hp) 10,000 rpm

Table Size: 1,200 x 600mm

Travels: 1,100 x 610 x 610mm

Machine Weight: 7,000kg

**SIEMENS**  
Touchscreen

**HEIDENHAIN**  
Touchscreen

**HD**  
HEAVY DUTY

**HARDENED BOX  
SLIDWAYS**



Shown with **SIEMENS** control  
Touchscreen

The XYZ I 100 HD is not to be confused with lighter, metre plus machines.

This proven structure has a base that allows for better support of the X and Y travel and increases table load capacity from 800kg to a massive 1,500kg. There is never any table overhang and the table is always fully supported.

# XYZ I 100 HD

## Standard Equipment

- Siemens 828D ShopMill Touchscreen Control or Heidenhain TNC 620 Touchscreen Control.
- Optimised Digital Servo Drives.
- Hardened Table.
- Rigid Tapping.
- Twin Swarf Augers.
- Swarf Conveyor & Bin from Auger.
- High Pressure Flood Coolant.
- LED Worklight.
- 30 Station Arm Type.
- Pneumatically Counter Balanced Head.
- 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

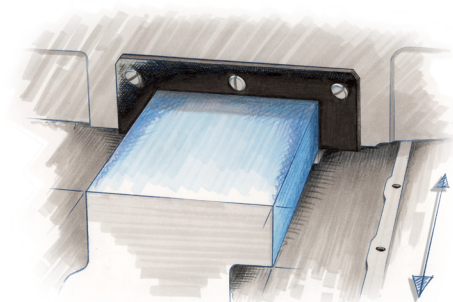
- 4th Axis Rotary Table.
- 5th Axis Rotary Table.
- 12,000 rpm Spindle.
- Through Spindle Coolant.
- Offline Programming.
- Renishaw/Heidenhain Toolsetting and Probing.
- Contour Handwheel (*wind the handwheel to run through the program*).
- Oil Skimmer.
- Advanced Swarf Management System.
- DXF Reader.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

Specification	XYZ I 100 HD
X Axis Table Travel	1,100mm
Y Axis Table Travel	610mm
Z Vertical Travel	610mm
Table Size	1,200 x 600mm
Spindle Centre to Column	675mm
Spindle to Table	150 - 760mm
Column Front to Table Centre	360 - 970mm
Rapid Feedrate	24 M/min
Cutting Feedrates	1 - 24,000 MM/min
Max Table Load	1,500kg
T Slot Size	18mm
T Slot Number & Pitch	4 off @ 125mm Pitch
Spindle Speeds	5 - 10,000 rpm (12,000 Opt)
Spindle Motor	21kW (28hp)
Spindle Taper	BT40 (SK & Cat Opt)
Toolchanger	30 Station Arm type
Toolchange Time	2.5 secs
Max Tool Diameter	78mm
Max Tool Weight	8kg
Coolant Tank Capacity	240L
Ballscrew (Grade C3)	40mm Dia P12
AC Digital Servo Motors Max Torque	X = 20 Nm / Y = 20 Nm Z = 20 Nm 3,000 rpm
Machine Weight	7,000kg
Footprint	3,250 x 3,500 x 2,810mm

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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