

## XYZ 1100 HD

SPINDLE 28 HP / 21 kW  
1,200 x 600 mm TABLE  
1,100 x 610 x 610 mm TRAVEL  
10,000 RPM SPINDLE  
SOLID CASTING 7,000 KG

**SIEMENS**  
Touchscreen

**HEIDENHAIN**

**HD**  
HEAVY DUTY



Shown with **SIEMENS** control  
Touchscreen

The new XYZ 1100 HD with increased travels in X & Y of 1100 mm and 610mm.

This completely new structure has a newly designed base that allows for better support of the X and Y travel and increases table load capacity from 800 kg to a massive 1,500 kg. There is never any table overhang and the table is always fully supported. Built on a solid Meehanite, computer modelled, ribbed casting with induction hardened, ground and Turcite-B coated slides gives the **XYZ 1100 HD** superb vibration absorption and rigidity. The optimised digital servo motors and automatic lubrication of the slides and ballscrews also ensures maximum rapid traverse rates. Performance has been proven in some of the toughest machine shop environments to reassure customers that an XYZ machining centre is a true workhorse that you can depend on for many years of reliable and accurate operation.

# XYZ I 100 HD

**SPINDLE 28 HP / 21 kW**  
**1,200 x 600 mm TABLE**  
**1,100 x 610 x 610 mm TRAVEL**  
**10,000 RPM SPINDLE**  
**SOLID CASTING 7,000 KG**

## Standard Equipment

**Siemens 828D ShopMill Touchscreen Control or Heidenhain TNC 620 Touchscreen Control.**  
**Optimised Digital Servo's.**  
**Hardened Table.**  
**Rigid Tapping.**  
**Twin Swarf Augers.**  
**Swarf Conveyor & Bin from Auger.**  
**High Pressure Flood Coolant.**  
**Coolant Washdown.**  
**LED Worklight.**  
**30 Station Arm Type Tool Changer.**  
**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

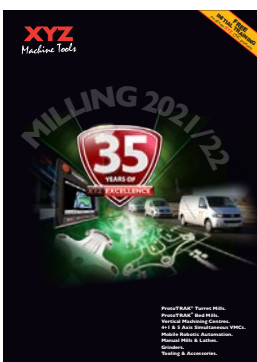
**4th Axis Rotary Table.**  
**5th Axis Rotary Table.**  
**12,000 rpm Spindle.**  
**Through Spindle Coolant.**  
**Offline Programming.**  
**Renishaw/Heidenhain Toolsetting and Probing.**  
**Contour Handwheel (wind the handwheel to run through the program).**  
**Oil Skimmer.**  
**Advanced Swarf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

	XYZ I 100 HD
X travel	1,100 mm
Y travel	610 mm
Z travel	610 mm
Table size	1,200 x 600 mm
Spindle centre to column	675 mm
Spindle to table	150 - 760 mm
Column front to table centre	360 - 970 mm
Rapid feed XYZ axis	24 M/min box way
Cutting feed rates	24 M/min
Max table load	1,500 kg
T slot size	18 mm
T slot number & pitch	4 @ 125 mm
Spindle speed	10,000 rpm (12,000 optional)
Spindle motor	28 HP / 21 kW
Spindle taper	BT 40
Tool magazine capacity	30 arm type
Tool change time tool to tool	2 sec.
Max tool diameter	78 mm
Max tool weight	7 kg
Coolant capacity	240L
Ballscrew size (grade C3)	40 mm P12
AC servo motor size	X, Y and Z 20Nm
Machine weight	7,000 kg
Footprint W x D x H	3,100 x 2,250 x 2,820 mm

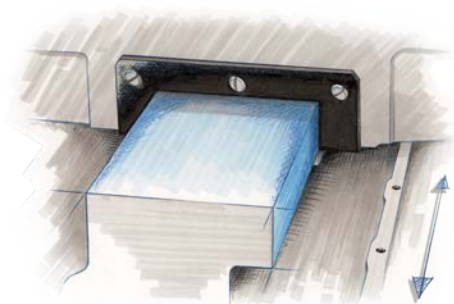
Conforming to ISO 10791	
Positional accuracy	+/- 5 microns
Repeatability	+/- 2 microns
Circularity over 300mm	8 microns
Geometric accuracy over 300mm	8 microns

## 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.**



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