

## XYZ 1060 HS

**SPINDLE 28 HP / 21 kW**  
**1,210 x 600 mm TABLE**  
**1,020 x 610 x 620 mm TRAVEL**  
**12,000 RPM SPINDLE**  
**(15,000 RPM Optional)**  
**SOLID CASTING 8,000 KG**

**SIEMENS**  
Touchscreen

**HEIDENHAIN**  
Touchscreen



Shown with **SIEMENS** control  
Touchscreen

The XYZ 1060 High Speed - the flagship of the XYZ VMC range.

This high accuracy and high speed Vertical Machining Centre is equipped with the latest control technology from Siemens, the 840DSL ShopMill Touchscreen control. The 1060 has top of the line THK linear roller bearings making it capable of modern fast machining for use in the aerospace and mouldmaking industries where precision is of paramount importance. The **XYZ 1060 HS** can easily be upgraded to 4 or 5 axis.

# XYZ 1060 HS

**SPINDLE 28 HP / 21 kW**  
**1,210 x 600 mm TABLE**  
**1,020 x 610 x 620 mm TRAVEL**  
**12,000 RPM SPINDLE**  
**(15,000 RPM Optional)**  
**SOLID CASTING 8,000 KG**

## Standard Equipment

**Siemens 840DSL High Speed ShopMill 19" Touchscreen Control.**  
**12,000 rpm Oil Cooled Spindle.**  
**43 M/min Rapids.**  
**Temperature Controlled Ballscrews.**  
**Temperature Controlled Spindle.**  
**Pneumatically Counterbalanced Head.**  
**30 Station Arm Type Tool changer.**  
**High Pressure Coolant.**  
**Through Spindle Coolant.**  
**Coolant Washdown.**  
**Swarf Conveyor & Bin.**  
**Optimised Digital Servo's.**  
**Hard Drive and Networking.**  
**Rigid Tapping.**  
**Remote Electronic Handwheel.**  
**High Speed Concertina Guards.**  
**Stainless Steel Floor Pan.**  
**Powder Coated Guarding.**  
**USB Port.**  
**Networking.**

## Optional Equipment

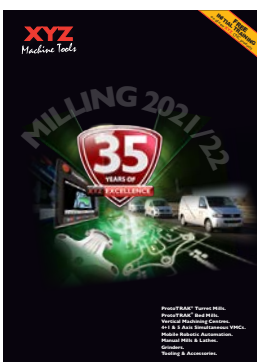
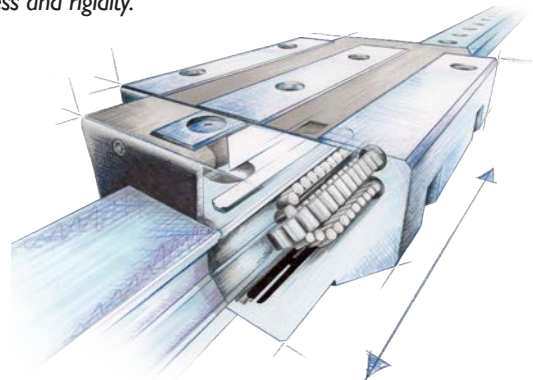
**4th Axis Rotary Table.**  
**5th Axis Rotary Table.**  
**Linear Scales.**  
**Offline Programming.**  
**15,000 rpm Spindle.**  
**Renishaw/Heidenhain Toolsetting and Probing.**  
**Contour Handwheel (*wind the handwheel to run through the program*).**  
**Advanced Swarf Management System.**

	<b>XYZ 1060 HS</b>
X travel	1,020 mm
Y travel	610 mm
Z travel	620 mm
Table size	1,210 x 600 mm
Spindle centre to column	670 mm
Spindle to table	140 - 760 mm
Column front to table centre	365 - 975 mm
Rapid feed XYZ axis	43 M/min roller linear way
Cutting feed rates	1 - 43,000 mm/min
Max table load	800 kg
T slot size	18 mm
T slot number & pitch	5 @ 125 mm
Spindle speed	12,000 rpm (15,000 rpm optional)
Spindle motor	28 HP / 21 kW
Spindle taper	BT 40
Tool magazine capacity	30 arm type
Tool change time <i>tool to tool</i>	2.5 secs
Max tool diameter	100 mm
Max tool weight	8 kg
Coolant capacity	280 L
Ballscrew size (grade C3)	40 mm P16
AC servomotor size	X and Y 27Nm Z 36Nm
Machine weight	8,000 kg
Footprint W x D x H	3,650 x 2,680 + 800 mm for control unit x 3,250 mm (includes conveyor)

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

## With Linear Roller Bearing Slides

*A larger bearing contact area for high speed precision and enhanced stiffness and rigidity.*



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.