

## XYZ 500 LR

**SPINDLE 20 HP / 15 kW**

**580 x 400 mm TABLE**

**510 x 400 x 450 mm TRAVEL**

**8,000 RPM SPINDLE**

**SOLID CASTING 2,400 KG**

**SIEMENS**



XYZ 500 LR is our best selling entry level VMC making CNC machining even more affordable.

The **XYZ 500 LR** is the smallest machine in XYZ's new linear rail technology range. As part of this new range of machines, the XYZ 500 LR offers price competitive performance with axis travels of 510 x 400 x 450 mm, 8,000 rpm spindle and 20m/min cutting feedrates. The move to linear rail technology comes after recent significant design advances in these rails, which now makes them compatible with XYZ's quality/performance criteria. With their addition to the XYZ range the LR machines offer a lower cost introduction to VMC ownership. XYZ Machine Tools is happy to demonstrate the capability of these machines at any of its UK showrooms.

# XYZ 500 LR

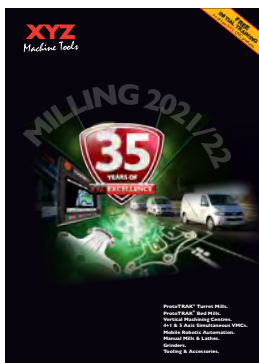
**SPINDLE 20 HP / 15 kW**  
**580 x 400 mm TABLE**  
**510 x 400 x 450 mm TRAVEL**  
**8,000 RPM SPINDLE**  
**SOLID CASTING 2,400 KG**

## Standard Equipment

**Siemens 828D Control.**  
**Optimised Digital Servos.**  
**Rigid Tapping.**  
**Flood Coolant.**  
**Worklight.**  
**12 Station Carousel.**  
**Easy Clean Swarf Tray.**  
**Steel Concertina Guards on all axes.**  
**Powder Coated Guarding.**  
**Pull Studs.**  
**USB Port.**  
**Compact Flash Card Slot.**

## Optional Equipment

**4th Axis Rotary Table.**  
**Swarf Conveyor and Bin.**  
**Renishaw/Heidenhain Toolsetting and Probing.**  
**12,000 rpm Spindle.**  
**Through Spindle Coolant.**  
**Remote Electronic Handwheel.**  
**Side Vision Panels.**  
**Offline Programming.**  
**ShopMill Advanced Software.**  
**Contour Handwheel (*wind the handwheel to run through the program*).**  
**Factory Networking.**  
**Advanced Swarf Management System.**  
**DXF Reader.**



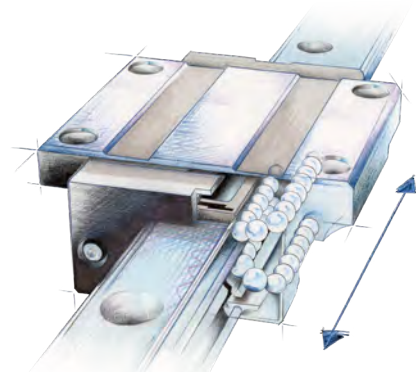
Part of the **XYZ Milling Catalogue** which includes:  
**ProtoTRAK® Turret Mills.**  
**ProtoTRAK® Bed Mills.**  
**Vertical Machining Centres.**  
**4+1 & 5 Axis Simultaneous VMCs.**  
**Mobile Robotic Automation.**  
**Manual Mills & Lathes.**  
**Grinders.**  
**Tooling & Accessories.**

	<b>XYZ 500 LR</b>
X travel	510 mm
Y travel	400 mm
Z travel	450 mm
Table size	580 x 400 mm
Spindle centre to column	415 mm
Spindle to table	100 - 550 mm
Column front to table centre	215 - 615 mm
Rapid feed XYZ axis	20,000 mm/min
Cutting feed rates	1-20,000 mm/min
Max table load	250 kg
T slot size	16 mm
T slot number & pitch	3 @ 125 mm
Spindle speed	5-8,000 rpm
Spindle motor	20 HP / 15 kW
Spindle taper	BT 40
Tool magazine capacity	12 carousel
Tool change time <i>tool to tool</i>	8 sec
Max tool diameter	100 mm
Max tool weight	6 kg
Coolant capacity	105 L
Ballscrew size (grade C3)	28 mm P8
AC servo motor size	X and Y 8Nm Z 12Nm
Machine weight	2,400 kg
Footprint W x D x H	1,660 x 1,860 x 2,300 mm

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

## With Linear Rail Ball Bearing Slides

*New advances in Linear Rail Technology have enabled XYZ to produce a highly cost effective range of VMCs, the best selling XYZ LR range.*



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