

## XYZ 750 LR

**SPINDLE 20 HP / 15 kW**

**830 x 410 mm TABLE**

**750 x 440 x 500 mm TRAVEL**

**8,000 RPM SPINDLE**

**SOLID CASTING 3,500 KG**

**SIEMENS**



XYZ 750 LR hits the spot for cost-effective machining.

Sitting in the middle of the new XYZ LR range of linear rail machines, the **XYZ 750 LR**'s capacity will make it the most popular choice for those looking to step up to CNC vertical machining centre operation at a very competitive price. With axis travels of 750 x 440 x 500 mm the **XYZ 750 LR** has the capacity to handle the majority of work passing through a typical machine shop. Add to that the 8,000 rpm, BT 40 spindle, 20 position tool changer; the option of a 24 station arm-type tool changer and a maximum table load of 500 kg, it is a more than capable machine.

Demonstrations of the **XYZ 750 LR** are available at any of the XYZ showrooms.

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## Standard Equipment

**Siemens 828D Control.**  
**Optimised Digital Servos.**  
**Rigid Tapping.**  
**Flood Coolant.**  
**Worklight.**  
**20 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

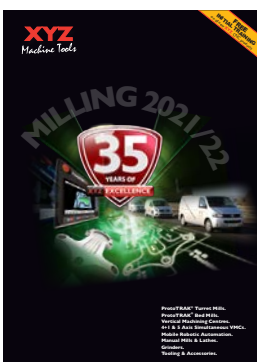
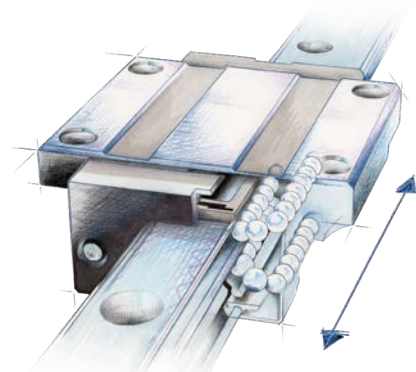
**24 Station Arm Type ATC.**  
**4th Axis Rotary Table.**  
**Swarf Conveyor and Bin.**  
**Renishaw/Heidenhain Toolsetting and Probing.**  
**12,000 rpm Spindle.**  
**Through Spindle Coolant.**  
**Remote Electronic Handwheel.**  
**Side Vision Panels.**  
**Offline Programming.**  
**ShopMill Advanced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

	<b>XYZ 750 LR</b>
X travel	750 mm
Y travel	440 mm
Z travel	500 mm
Table size	830 x 410 mm
Spindle centre to column	500 mm
Spindle to table	100 - 600 mm
Column front to table centre	305 - 745 mm
Rapid feed XYZ axis	20,000 mm/min
Cutting feed rates	1 - 20,000 mm/min
Max table load	500 kg
T slot size	16 mm
T slot number & pitch	3 @ 100 mm
Spindle speed	5 - 8,000 rpm
Spindle motor	20 HP / 15 kW
Spindle taper	BT 40
Tool magazine capacity	20 carousel (24 arm type optional)
Tool change time <i>tool to tool</i>	8 sec (2.5 sec)
Max tool diameter	80 mm
Max tool weight	7 kg
Coolant capacity	125 L
Ballscrew size (grade C3)	32 mm P8
AC servo motor size	X and Y 8Nm Z 12Nm
Machine weight	3,500 kg
Footprint W x D x H	2,100 x 2,150 x 2,450 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.*



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.**



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