

## XYZ 750 LR

15 kW / (20 HP) SPINDLE  
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 750 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

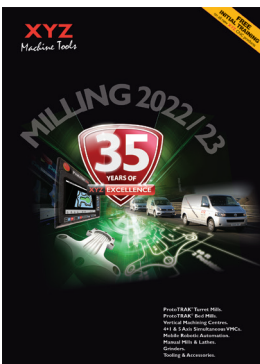
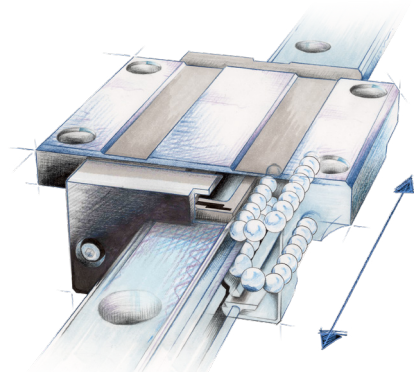
24 Station Arm Type ATC.  
 4th Axis Rotary Table.  
 Swarf Conveyor and Bin.  
 Renishaw/Heidenhain Toolsetting and Probing.  
 12,000 rpm Spindle.  
 Through Spindle Coolant.  
 Remote Electronic Handwheel.  
 Side Vision Panels.  
 Offline Programming.  
 ShopMill Advanced Software.  
 Contour Handwheel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

	XYZ 750 LR
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 M/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	15 kW / (20 HP)
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 300 mm	10 microns
Geometric accuracy over 300 mm	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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