

XYZ 500 LR

Spindle: 15kW (20hp) 8,000 rpm

Table Size: 580 x 400mm

Travels: 500 x 400 x 440mm

Machine Weight: 2,400kg

SIEMENS



Making VMC machining even more affordable.

The **XYZ 500 LR** is the smallest machine in XYZ's linear rail technology range and offers price competitive performance. 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.

XYZ 500 LR

Standard Equipment

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

Optional Equipment

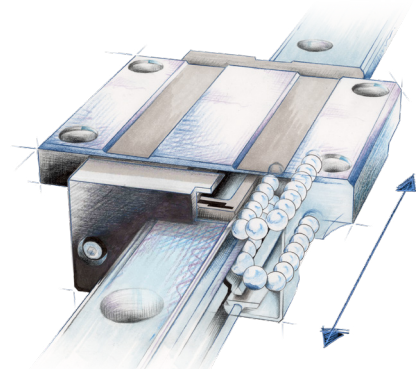
- 4th Axis Rotary Table.
- Swarf Conveyor and Bin.
- Renishaw/Heidenhain Toolsetting and Probing.
- 12,000 rpm Spindle.
- Through Spindle Coolant.
- Remote Electronic Handwheel.
- Side Vision Panels.
- Offline Programming.
- ShopMill Advanced Software.
- Contour Handwheel (*wind the handwheel to run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

Specification	XYZ 500 LR
X Axis Table Travel	500mm
Y Axis Table Travel	400mm
Z Vertical Travel	440mm
Table Size	580 x 400mm
Spindle Centre to Column	415mm
Spindle to Table	100 - 550mm
Column Front to Table Centre	215 - 615mm
Rapid Feedrate	20 M/min
Cutting Feedrates	1 - 20,000 MM/min
Max Table Load	250kg
T Slot Size	16mm
T Slot Number & Pitch	3 off @125mm Pitch
Spindle Speeds	5 - 8,000 rpm (12,000 Opt)
Spindle Motor	15kW (20hp)
Spindle Taper	BT40 (SK & Cat Opt)
Toolchanger	12 Station Carousel
Toolchange Time	8 secs
Max Tool Diameter	100mm
Max Tool Weight	7kg
Coolant Tank Capacity	105L
Ballscrew (Grade C3)	28mm Dia P8
AC Digital Servo Motors Max Torque	X = 8 Nm / Y = 8 Nm Z = 12 Nm 3,000 rpm
Machine Weight	2,400kg
Footprint	1,890 x 1,982 x 2,700mm

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 Machining Centres.



Part of the **XYZ Catalogue 2024/25** which includes:
ProtoTRAK® Turret Mills.
ProtoTRAK® Bed Mills.
ProtoTRAK® TMCs.
Vertical Machining Centres.
5 Axis Simultaneous VMCs.
Manual Mills & Lathes.
Grinders.
Tooling & Accessories.



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