

## XYZ I600 LR

Spindle: 15kW (20hp) 10,000 rpm

Table Size: 1,660 x 660mm

Travels: 1,600 x 650 x 630mm

Machine Weight: 6,700kg

SIEMENS



As the largest machine in the LR range, the XYZ I600 LR provides large capacity at an affordable price.

The **XYZ I600 LR** has an impressive specification, including 1,600mm of travel in the X-axis, 650mm in Y and 630mm in Z. It has as standard a 24 station arm-type tool changer.

# XYZ 1600 LR

## Standard Equipment

- Siemens 828D Control.
- Optimised Digital Servo Drives.
- Rigid Tapping.
- Flood Coolant.
- Worklight.
- 24 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

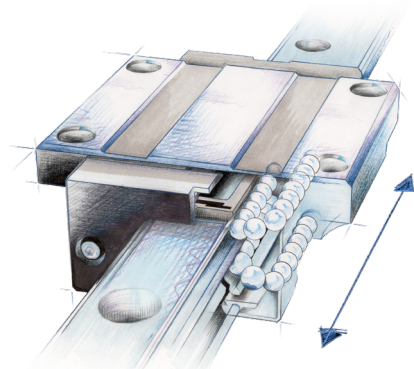
- 4th Axis Rotary Table.
- Swarf Conveyor and Bin.
- Renishaw/Heidenhain Toolsetting and Probing.
- 12,000 rpm Spindle.
- Through Spindle Coolant.
- Remote Electronic Handwheel.
- Side Vision Panels.
- Offline Programming.
- ShopMill Advanced Software.
- Contour Handwheel (*wind the handwheel to run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

Specification	XYZ 1600 LR
X Axis Table Travel	1,600mm
Y Axis Table Travel	650mm
Z Vertical Travel	630mm
Table Size	1,660 x 660mm
Spindle Centre to Column	750mm
Spindle to Table	105 - 740mm
Column Front to Table Centre	370 - 1,030mm
Rapid Feedrate	20 M/min
Cutting Feedrates	1 - 20,000 MM/min
Max Table Load	1,000kg
T Slot Size	18mm
T Slot Number & Pitch	5 off @ 100mm Pitch
Spindle Speeds	5 - 10,000 rpm (12,000 Opt)
Spindle Motor	15kW (20hp)
Spindle Taper	BT40
Toolchanger	24 Station Arm Type
Toolchange Time	2.5 secs
Max Tool Diameter	78mm
Max Tool Weight	7kg
Coolant Tank Capacity	300L
Ballscrew (Grade C3)	40mm Dia P8
AC Digital Servo Motors Max Torque	X = 12 Nm / Y = 12 Nm Z = 16 Nm 3,000 rpm
Machine Weight	6,700kg
Footprint	4,305 x 2,735 x 2,900mm

Conforming to ISO 10791	
Positional accuracy	+/- 5 microns
Repeatability	+/- 2 microns
Circularity over 300mm	6 microns
Geometric accuracy over 300mm	6 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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