

XYZ TC 320 LTY

SIEMENS
Touchscreen

**HARDENED BOX
SLIDEWAYS**

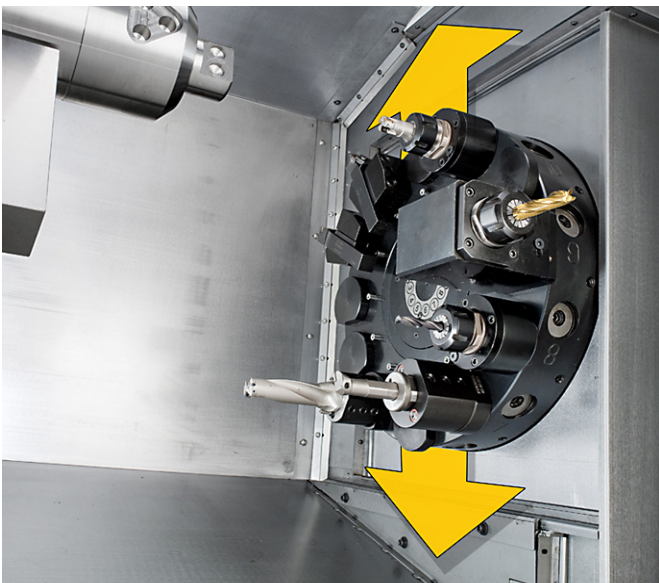
Spindle: 32kW (43hp) 3,300 rpm
Spindle Bore: 91mm
Travels: 270 x 100mm x 600mm
Machine Weight: 6,950kg



The largest XYZ Y axis turning centre.

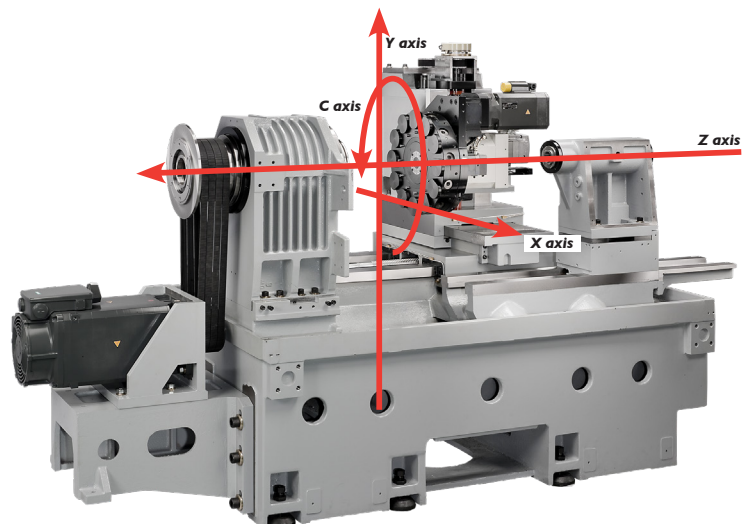
The **XYZ TC 320 LTY** is the largest Y axis turning centre in the XYZ range and provides users with exceptional capacity from a solid cast machine base. The addition

of the 100 mm Y axis (+/-50 mm) adds a degree of versatility to the machine that allows many parts to be machined complete, increasing productivity significantly.



The 'Y' axis of the **XYZ TC 320 LTY** can travel 50mm above and below centreline (100mm total travel), making easy work of most components that would normally require milling and turning operations.

The **XYZ TC 320 LTY** is a solid cast machine with box ways that forms the base for precision turning and rigid milling.



XYZ TC 320 LTY

Standard Equipment

- Siemens 828D ShopTurn Touchscreen Control.
- PLC written by Siemens UK.
- Hydraulic 315mm 3 Jaw Chuck.
- Sauter 'German' VDI Turret.
- Renishaw Automatic Tool Setting Arm.
- Swarf Conveyor & Bin.
- VDI Turret.
- Full 'C' Axis.
- Live Tooling.
- 100mm Y axis.
- Programmable Hydraulic Tailstock.
- Through Tool and Flood Coolant.
- Remote Electronic Handwheel.
- USB Port.
- Networking.

Optional Equipment

- Parts Catcher.
- Collet Chuck.
- Bar Puller.
- LNS or Hydrafeed Bar Feed Systems.
- Offline Programming.
- Siemens CAD Reader.
- Contour Handwheel.
- Gear Hobbing.
- Polygon Turning.
- Advanced Swarf Management System.
- Hydraulic 380mm 3 Jaw Chuck*.

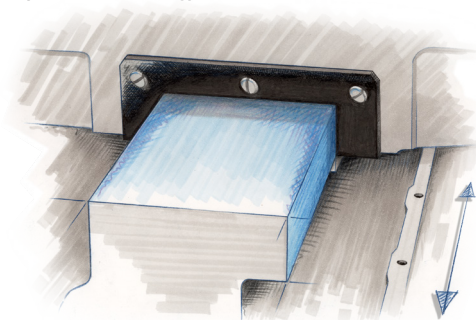
Specification	XYZ TC 320 LTY
Power Chuck Diameter	300mm
Maximum Swing	450mm
Swing Over Carriage Cover	450mm
Maximum Turned Diameter	320mm
Maximum Turned Length	550mm
X Axis Travel	270mm
Y Axis Travel	100mm (+/- 50mm)
Z Axis Travel	600mm
Spindle Centre Height from Floor	1,230mm
Height from floor to spindle centre	1,040mm
Spindle Nose	A2-8
Spindle Bore (Drawtube Capacity)	91mm (78mm)
Spindle Front Bearing Internal Dia	130mm
Spindle Speeds	3,300 rpm
Spindle Motor	32kW (43hp)
Min Speed for Full Power	1,500 rpm
Rapid Feedrate	20 M/min
Slideway Type	Hardened Box Way
Ballscrew	X = 40mm / Y = 36mm / Z = 45mm
Servo Motor	X = 11 Nm / Y = 11 Nm / Z = 16 Nm
Toolchanger	12 Station 40 VDI Turret
Tool Section Size	25 x 25mm
Max Boring Bar Diameter	40mm
Tailstock Quill Taper	MT5
Quill Diameter	95mm
Quill Travel	125mm
Max Quill Thrust	2,300kg
Coolant Tank Capacity	200L
Coolant Pump Delivery	16 L/min @ 2.5 Bar
Machine Weight	6,950kg
Footprint	4,120 x 2,480 x 2,300mm

* Renishaw Toolsetting arm has to be removed.

Conforming to ISO 13041	
Positional accuracy	+/- 5 microns
Repeatability	+/- 2 microns
Cutting accuracy over 100mm	10 microns
Geometric accuracy over 100mm	10 microns

With Hard Box Way slides

The **XYZ TC 320 LTY** features the latest in high quality Hard Box Way slide technology.



Part of the **XYZ Catalogue 2024/25** which includes:
ProtoTRAK® Lathes.
Turning Centres.
XL Extra Large Lathes.
Oil Country Lathes.
Manual Mills & Lathes.
Grinders.
Tooling & Accessories.



Visit www.xyzmachinetools.com or our YouTube channel to see the video.