

## XYZ 500 TMC

11kW (15HP) SPINDLE  
580 x 400 mm TABLE  
510 x 400 x 450 mm TRAVEL  
8,000 RPM SPINDLE  
(12,000 RPM OPTIONAL)  
SOLID CASTING 2,400 KG

## ProtoTRAK®



XYZ 500 TMC offers maximum workshop flexibility in a compact footprint.

The **XYZ 500 TMC** is the smallest machine in the toolroom machining centre range. This new range combines the ease of use offered by the ProtoTRAK® RMX control with the production capability of a machine with a toolchanger. With axis travels of 510 x 400 x 450 mm and 8,000 rpm spindle, this combined with the ProtoTRAK® RMX control makes it unique in the market as it can be used manually with the X Y and Z hand wheels, or in full CNC mode utilising the 12 station carousel tool changer and its full guarding. Built on a proven machine platform using the latest linear rail technology, the **XYZ 500 TMC** is the best of both worlds.

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## Standard Equipment

**ProtoTRAK® touchscreen RMX control.**  
**Optimised digital servo drives.**  
**Flood coolant.**  
**Worklight.**  
**12 station carousel tool changer.**  
**Easy clean swarf tray.**  
**Steel concertina guards on all axis.**  
**Powder coated guarding.**  
**Pull studs.**  
**USB ports.**  
**Ethernet.**

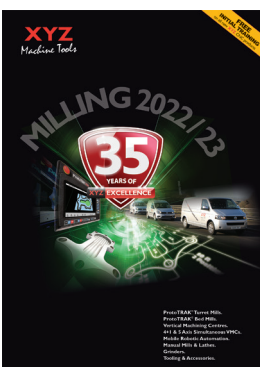
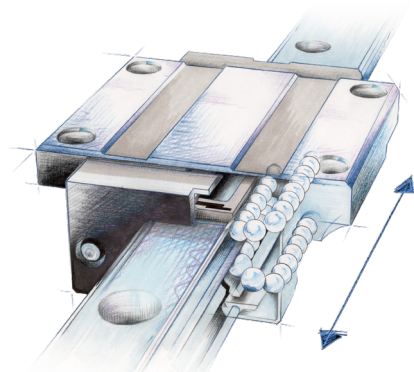
## Optional Equipment

**4th axis rotary table.**  
**Swarf Conveyor and bin.**  
**12,000 rpm spindle.**  
**Through spindle coolant.**  
**Remote electronic hand wheel.**  
**Movable electronic hand wheels for setting, manual operation and TRAKing®.**  
**Side vision panels.**  
**Offline RMX programming.**  
**DXF Convertor.**  
**Parasolid Convertor.**  
**Programmable 4th axis.**  
**Coolant washdown gun.**  
**Remote stop go switch.**

	XYZ 500 TMC
X travel	510 mm
Y travel	400 mm
Z travel	450 mm
Table size	580 x 400 mm
Spindle centre to column	415 mm
Spindle to table	100 - 550 mm
Column front to table centre	215 - 615 mm
Rapid feed XYZ axis	20 M/min
Cutting feed rates	1-20,000 mm/min
Max table load	250 kg
T slot size	16 mm
T slot number & pitch	3 @ 125 mm
Spindle speed	5-8,000 rpm
Spindle motor	11kW (15HP)
Spindle taper	BT 40
Tool magazine capacity	12 carousel
Tool change time <i>tool to tool</i>	8 sec
Max tool diameter	100 mm
Max tool weight	6 kg
Coolant capacity	105 L
Ballscrew size (grade C3)	28 mm P8
AC servo motor size	X and Y 5Nm, Z 10Nm
Machine weight	2,400 kg
Footprint W x D x H	1,660 x 1,860 x 2,300 mm

## With Linear Rail Ball Bearing Slides

New advances in Linear Rail Technology have enabled XYZ to produce a highly cost effective range of VMCs.



Part of the **XYZ Milling Catalogue** which includes:  
**ProtoTRAK® Turret Mills.**  
**ProtoTRAK® Bed Mills.**  
**Vertical Machining Centres.**  
**4+1 & 5 Axis Simultaneous VMCs.**  
**Manual Mills & Lathes.**  
**Grinders.**  
**Tooling & Accessories.**



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