

XYZ
Machine Tools

FREE INITIAL TRAINING
on all new XYZ CNC products

TURNING 2022/23



XYZ EXCELLENCE



ProtoTRAK® Lathes.
Turning Centres.
XL Extra Large Lathes.
Oil Country Lathes.
Mobile Robotic Automation.
Manual Mills & Lathes.
Grinders.
Tooling & Accessories.

XYZ

Machine Tools

Welcome to the latest XYZ Turning Catalogue.

Please remember that each and every machine tool within this Catalogue has been designed and built to be **'the very best in its class'**, and all of our machine tools are backed up with our first rate **XYZ Customer Support Teams**.



N Atherton

Nigel Atherton
MANAGING DIRECTOR



Inside our Devon Showroom and Training Centre.

Largest supplier of CNC's to the UK market.



The 18,000 sq ft Parts Department with over £1.5 million of parts held in stock.

800 machines built and delivered every year.

25,000 machines installed across the UK.

XYZ MACHINE TOOLS

- PROVEN QUALITY AND RELIABILITY FOR OVER 35 YEARS
- UK SALES & SERVICE BACK UP
- FULL PRODUCT TRAINING
- FINANCE PACKAGES TO SUIT
- MACHINE RENTAL
- PART EXCHANGE
- FULL 12 MONTH WARRANTY
- EXTENDED WARRANTIES
- NATIONWIDE SERVICE ENGINEERS
- PROGRAMMING HELPLINES
- SAME DAY SPARES DESPATCH

View our drone tour of HQ below.

<http://www.xyzmachinetools.com/video/overview>



Our Devon HQ, sized at 98,000 sq ft, houses stock of over 350 machine tools ready for delivery and installation.

XYZ Price Promise

We believe above all in fairness and treating customers as we would like to be treated. You can rest assured that the price you pay is the price every company pays.... **Big, Small, New or Regular** every customer pays the same. Our pricing policy is simple and straightforward. **XYZ** promises that everyone gets our best price, automatically, every time.



Nigel Atherton
MANAGING DIRECTOR



SINCE 1984

When you commit to an XYZ product, XYZ commits to you.

This means that while your machine tool has the support of the **XYZ Spares Department** and **XYZ Service Team** you will be backed up by the support of the **XYZ Applications Training Team** and the **XYZ Programming Helpline** for as long as you need it.

Free initial training on any machine at one of the XYZ UK Training Centres.





SINCE 1984

Introducing the **XYZ** thoroughbreds,

Here at XYZ we have been developing, testing and refining our range of machine tools for over 35 years.

Our winning principles of combining outstanding build quality with the world's best control systems, namely ProtoTRAK®, Siemens, and Heidenhain, have seen the **XYZ** product range grow to become the nation's first choice for prototype and low-volume production.

But that's just the beginning, when you combine great value products with an excellent support infrastructure it's easy to see why **XYZ** has grown to be the largest supplier of CNC machine tools in the UK. So here it is, the finished article, the **XYZ** 2022 / 23 range, each one the very best in its class.



XYZ Manual Mills, Lathes and Grinders



XYZ ProtoTRAK® KMX Turret Mill
3 Models available



XYZ ProtoTRAK® RMX Bed Mills
4 Models available



XYZ High Speed VMC
1 Model available



XYZ 5 Axis Simultaneous and 4+1 VMC
2 Models available



XYZ Turning Centres
6 Models available

each one the best in its class.

NEW RLX 780 x 3 metre



**XYZ PROTURN
RLX Lathes**
8 Models available
including the new RLX 780



XYZ 2-OP
1 Model available



XYZ LR Range
4 Models available



XYZ VMC HD Range
4 Models available



XYZ Robotic Automation
4 Models available



XYZ Heavyweight Vertical Machining Centres
3 Models available

NEW XYZ XL now with live tooling option



XYZ XL & Oil Country Lathes
5 Models available

Introducing the touchscreen ProtoTRAK®

■ BETTER

New hardware, faster feeds, 24 **NEW** powerful features.

■ EASIER

Now with 15.6" touchscreen.

■ FASTER

Now you can program your DXF files with just a few touches.

“With a choice of swings, bed lengths and spindle bores, the XYZ RLX range has a lathe to make you more productive.”



Nigel Atherton
XYZ MANAGING DIRECTOR

- ProtoTRAK® RLX is possibly the simplest CNC control available today.
- 15.6" touchscreen makes the control simple and intuitive.
- Gesture control makes controlling the screen quick and easy.
- Constant Surface Speed control for improved tool life and surface finishes.
- Electronic handwheels allows Tapers, Radii and Fillets to be produced manually.
- Enhanced ProtoTRAK® Assistant is your on board help at the touch of the screen.
- PROTURN Lathes are standard with TRAKing® which allows the operator to wind the handwheel and the machine moves through the program. The faster you wind the faster it machines. Stop or reverse the handwheel and the machine does the same.
- Choice of toolholding, quick change toolpost, 4 station indexer or 8 station turret.
- Optional DXF software allows program production straight from the drawing.



ProtoTRAK®
CNC FROM ONLY
£99
A WEEK
+VAT SUBJECT TO STATUS

RLX for the lathe.



Book a Desktop Demo



Get the ProtoTRAK® Desktop Demo, it only takes 30 minutes and happens at your place. Alternatively visit the website and see the ProtoTRAK® videos.

Interact with your part graphics. You can zoom, pan or rotate your drawings and 3D verified part by using the touchscreen.

To find out more about the ProtoTRAK® controls visit our website or, better still, book a Desktop Demo via our website.

<https://xyzmachinetools.com/prototrak-desktop-demo/>

ProtoTRAK® Lathes.

XYZ PROTURN RLX 1630 (page 11)

XYZ PROTURN RLX 355 (page 12)

XYZ PROTURN RLX 425 (page 13)
1.25 and 2 metre Gap Bed Lathe

XYZ PROTURN RLX 555 (page 14)
1 and 1.75 metre Gap Bed Lathe

XYZ PROTURN RLX 555 (page 15)
3 metre Gap Bed Lathe

XYZ PROTURN RLX 780 (page 16)

ProtoTRAK® on the lathe.

The ProtoTRAK® RLX control is available across the PROTURN range, from small lathes through to three metre between centre lathes.

The RLX can be used manually or under full CNC control with clearance cycles, profiling, grooving, drilling, standard and custom thread routines and more.



XYZ PROTURN RLX 1630



Capacity, capability and value! After the first day you will wonder why you ever used a manual lathe.

XYZ PROTURN RLX 355



High speed, high precision, rigidity and performance.

XYZ PROTURN RLX 425



This 1.25 and 2 metre Gap Bed Lathe is our best selling workhorse with 80mm spindle bore and a solid one piece bed and base. Kick your competition into touch.

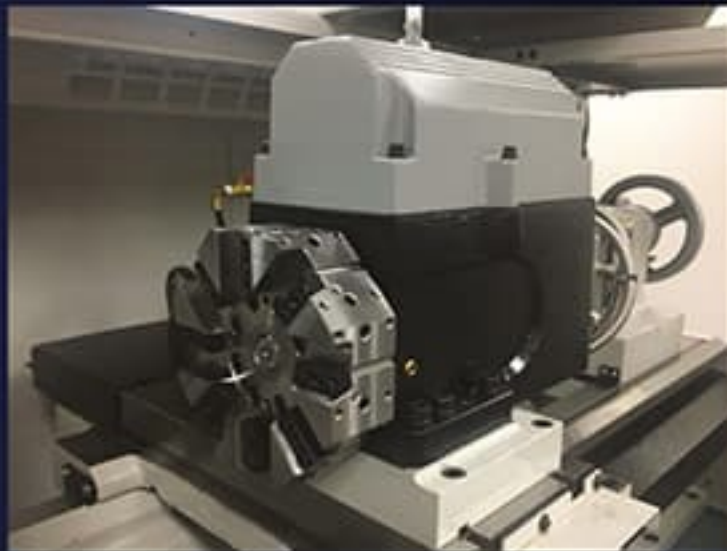
Improved precision and production options.



Optional 4 or 8 station indexing tool posts improve productivity on larger batches.



All XYZ PROTURN Lathes are thoroughly tested with the latest QC20 bluetooth Renishaw Ball Bar system.



If you are thinking of buying a large turning centre why not consider a large PROTURN fitted with an 8 Station Turret and this could give you very similar results at a fraction of the price. Perhaps 80% of the performance at 30% of the price.



Optional drilling attachment.

XYZ PROTURN RLX 555



This machine is available in 3 bed lengths 1, 1.75 or 3 metre Gap Bed Lathe with 104 mm spindle bore, and ProtoTRAK's simplicity makes this a real winner.

XYZ PROTURN RLX 780



The 'heavyweight' PROTURN RLX 780 with heavier bed and base and a 160 mm spindle bore makes this a very versatile machine. For larger capacity lathes see the XL range on pages 35 to 38.

XYZ PROTURN Lathes - time proven quality.

Control

The latest generation of ProtoTRAK® RLX control provides maximum operator productivity particularly on one-off components or small batches. Even an operator with no previous CNC experience will be producing simple or complex parts within hours.

Guarding

Built and guarded to comply with the latest CE regulations to ensure complete operator safety. When closed and in full CNC operation the easy lift, totally enclosed guard, ensures water tight containment of swarf and coolant.

Headstock

The headstock is built using Japanese induction hardened and precision ground gears. Two precision taper roller bearings and a support journal bearing ensure spindle rigidity and concentricity. High pressure oil lubrication is provided to all gears and bearings via a pump and oil cooler ensuring thermal stability, quiet running and long life.

Swarf Tray

Front opening easy access Swarf Tray makes light work of swarf removal and reduces the amount of space required at the rear of the machine.



XYZ PROTURN RLX 780 3 metre Gap Bed Lathe



Tailstock

Heavy tailstock with two clamp points prevents movement when machining components between centres. Repositioning is effortless and is achieved by providing an air cushion that lifts the tailstock from the bed (not on the RLX 1630).

TRAKing®

PROTURN Lathes are standard with TRAKing® which allows the operator to wind the handwheel and the machine moves through the program. The faster you wind the faster it machines. Stop or reverse the handwheel and the machine does the same.

Cast Bed & Base

Unlike most other Lathes that are cast or fabricated in two or three pieces and then bolted together, the PROTURNS RLX is a one piece solid ribbed casting that provides weight and rigidity ensuring unrivalled precision. The extra wide 'Vee and flat' bed way provides a large bearing surface that makes other Lathes seem flimsy by comparison. The lower cost RLX 1630 does not have a single piece casting.

Saddle & Apron

The apron moves with the saddle and emulates the actions of a manual lathe. This brings reassuring familiarity to the first time user of a CNC Lathe, and a joy stick provides for rapid positioning.

Rear Chuck Adaptor



The balanced rear chuck option gives you better support of the part on longer components or tube.

XYZ PROTURN RLX 1630

SPINDLE 5.75 kW / (7.5 HP)
SWING OVER BED 400 mm
SPINDLE BORE 54 mm
DISTANCE BETWEEN CENTRES 760 mm
MAX 2,500 RPM



Standard Equipment

200 mm 3 Jaw Chuck.
Constant Surface Speed.
TRAKing®.
Single Range Headstock.
Quick Change Toolpost
with 6 Holders.
Rapid Traverse with Joy Stick.
Tailstock.
Interlocked Chuck Guard
and Main Guard.
Auto Lubrication.
Flood Coolant.
Worklight.
Centres and Bushes.

Optional Equipment

Advanced Features.
Verify Solid Model Graphics.
DXF File Converter.
Offline Programming.
Adjustable Back Stop.
Faceplates, Steadies, Chucks and
Collet Chucks.
4 Station Auto Indexing Toolpost.

	XYZ RLX 1630
Swing over bed mm	400 mm
Swing in gap	not applicable
Gap in front of faceplate	not applicable
Swing over cross slide	218 mm
Cross slide travel	216 mm
Distance between centres	760 mm
Maximum cutting length	760 mm
Spindle bore	54 mm
Spindle nose	D1-6 camlock
Spindle taper	MT4 in bush
Spindle motor	5.75 kW / (7.5 HP)
Spindle speeds	150-2,500 rpm
Tailstock travel	127 mm
Tailstock taper	MT4
Tailstock diameter	60 mm
Bed width	320 mm
Footprint L x D x H	2,090 x 1,200 x 1,800 mm
Weight	1,550 kg



Visit our website or YouTube
channel to see the video.

XYZ PROTURN RLX 355

SPINDLE 5.75 kW / (7.5 HP)
SWING OVER BED 360 mm
SPINDLE BORE 52 mm
DISTANCE BETWEEN CENTRES 1,000 mm
MAX 4,000 RPM



Standard Equipment

200 mm 3 Jaw Chuck.
Constant Surface Speed.
TRAKing®.
2 Range Headstock.
Quick Change Toolpost
with 6 Holders.
Rapid Traverse with Joy Stick.
Air Assist Tailstock.
Interlocked Chuck Guard
and Main Guard.
Auto Lubrication.
Flood Coolant.
Worklight.
Centres and Bushes.

Optional Equipment

Advanced Features.
Verify Solid Model Graphics.
DXF File Converter.
Offline Programming.
Drilling Attachment.
Adjustable Back Stop.
Faceplates, Steadies, Chucks and
Collet Chucks.
4 or 8 Station Auto Indexing Toolpost.
Swarf Conveyor.

	XYZ RLX 355
Swing over bed	360 mm
Swing in gap	not applicable
Gap in front of faceplate	not applicable
Swing over cross slide	225 mm
Cross slide travel	185 mm
Distance between centres	1,000 mm
Maximum cutting length	900 mm
Spindle bore	52 mm
Spindle nose	D 1-6 camlock
Spindle taper	MT4 in bush
Spindle motor	5.75 kW / (7.5 HP)
Spindle speeds	50-4,000 rpm (2 ranges)
Tailstock travel	150 mm
Tailstock taper	MT 4
Tailstock diameter	60 mm
Bed width	300 mm
Footprint L x D x H	2,300 x 1,370 x 1,810 mm
Weight	1,955 kg



Visit our website or YouTube
channel to see the video.

XYZ PROTURN RLX 425

SPINDLE 7.5 kW / (10 HP)
 AVAILABLE AS A 1.25 AND 2 METRE GAP BED LATHE
 SWING OVER BED 480 mm
 SPINDLE BORE 80 mm
 DISTANCE BETWEEN CENTRES 1,250 & 2,000 mm
 MAX 2,500 RPM



XYZ PROTURN RLX 425 x 1.25 metre

Standard Equipment

250 mm 3 Jaw Chuck.
 Constant Surface Speed.
 TRAKing®.
 3 Range Headstock.
 Quick Change Toolpost
 with 6 Holders.
 Rapid Traverse with Joy Stick.
 Air Assist Tailstock.
 Interlocked Chuck Guard
 and Main Guard.
 Auto Lubrication.
 Flood Coolant.
 Worklight.
 Centres and Bushes.

Optional Equipment

Advanced Features.
 Verify Solid Model Graphics.
 DXF File Converter.
 Offline Programming.
 Drilling Attachment.
 Adjustable Back Stop.
 Faceplates, Steadies, Chucks and
 Collet Chucks.
 4 or 8 Station Auto Indexing Toolpost.
 Swarf Conveyor.

	XYZ RLX 425-1.25 and 2 metre
Swing over bed	480 mm
Swing in gap	700 mm
Gap in front of faceplate	170 mm
Swing over cross slides	257 mm
Cross slide travel	230 mm
Distance between centres	1,250 / 2,000 mm
Maximum cutting length	1,080 / 1,900 mm
Spindle bore	80 mm
Spindle nose	D 1-8 camlock
Spindle taper	MT 7 in bush
Spindle motor	7.5 kW / (10 HP)
Spindle speeds	25-2,500 rpm (3 ranges)
Tailstock travel	160 mm
Tailstock taper	MT 5
Tailstock diameter	75 mm
Bed width	370 mm
Footprint L x D x H	2,600/3,450 x 1,480 x 1,830 mm
Weight	2,700 / 3,700 kg



Visit our website or YouTube channel to see the video.

XYZ PROTURN RLX 555

SPINDLE 11.2 kW / (15 HP)
 1, 1.75 and 3 METRE GAP BED LATHE
 SWING OVER BED 560 mm
 SPINDLE BORE 104 mm
 DISTANCE BETWEEN CENTRES
 1,000, 1,750 or 3,000 mm
 MAX 1,800 RPM

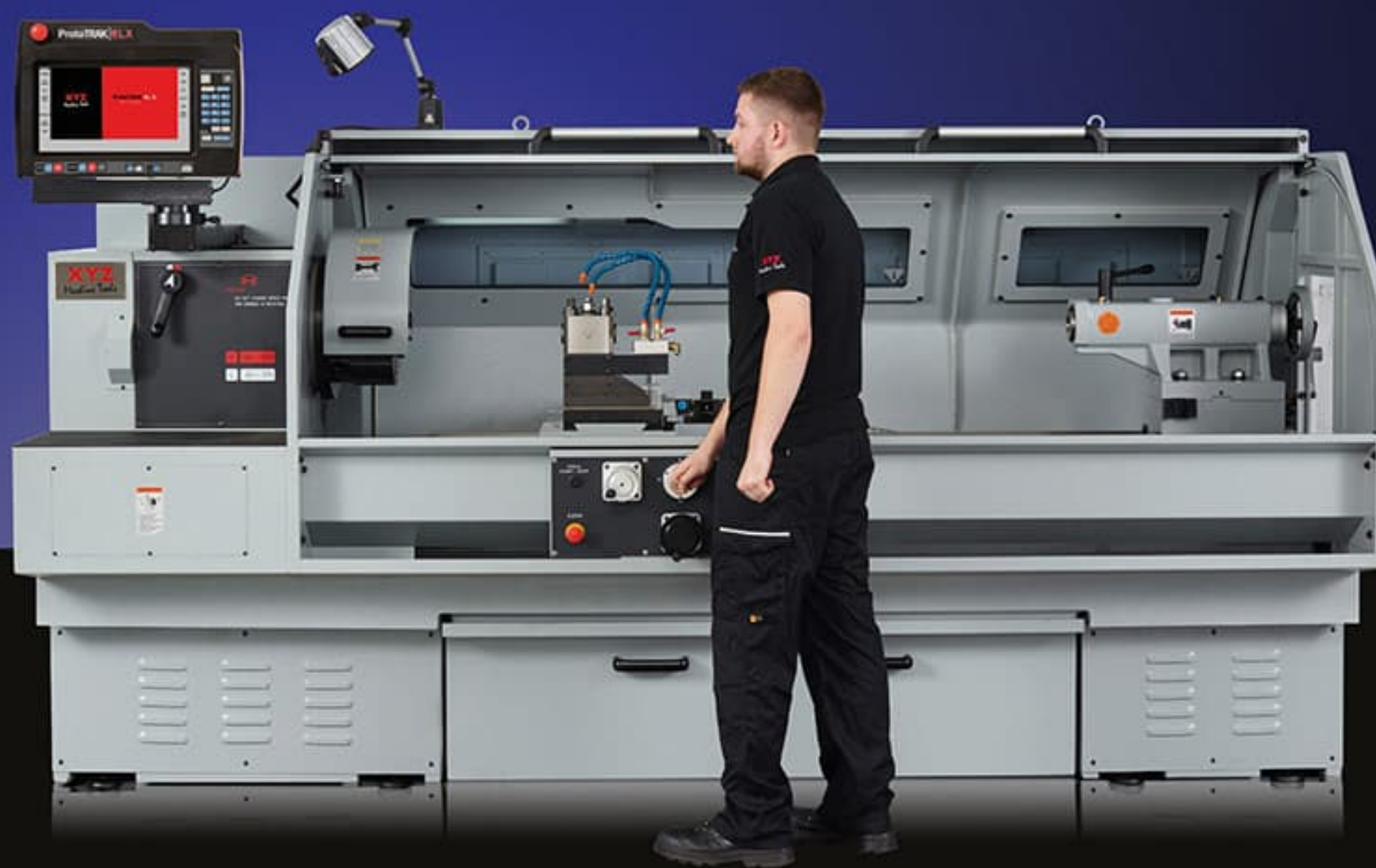
FOR THE 3 METRE XYZ RLX 555 SEE PAGE 15

Standard Equipment

315 mm 3 Jaw Chuck.
 Constant Surface Speed.
 TRAKing®.
 2 Range Headstock.
 Quick Change Toolpost
 with 6 Holders.
 Rapid Traverse with Joy Stick.
 Air Assist Tailstock.
 Interlocked Chuck Guard
 and Main Guard.
 Auto Lubrication.
 Flood Coolant.
 Worklight.
 Centres and Bushes.

Optional Equipment

Advanced Features.
 Verify Solid Model Graphics.
 DXF File Converter.
 Offline Programming.
 Drilling Attachment.
 Adjustable Back Stop.
 Faceplates, Steadies, Chucks and
 Collet Chucks.
 4 or 8 Station Auto Indexing Toolpost.
 Swarf Conveyor.



	XYZ RLX 555- 1 and 1.75 metre
Swing over bed	560 mm
Swing in gap	780 mm
Gap in front of faceplate	227 mm max
Swing over cross slide	350 mm
Cross slide travel	280 mm
Distance between centres	1,000 / 1,750 mm
Maximum cutting length	900 / 1,650 mm
Spindle bore	104 mm
Spindle nose	D 1-11 camlock
Spindle taper	MT 7 in bush
Spindle motor	11.2 kW / (15HP)
Spindle speeds	30-1,800 rpm (2 ranges)
Tailstock travel	160 mm
Tailstock taper	MT 5
Tailstock diameter	90 mm
Bed width	370 mm
Footprint L x D x H	2,600 / 3,450 x 1,600 x 1,910 mm
Weight	3,000 / 4,100 kg



Visit our website or YouTube channel to see the video.

XYZ PROTURN RLX 555

SPINDLE 11.2 kW / (15 HP)
3 METRE GAP BED LATHE
SWING OVER BED 560 mm
SPINDLE BORE 104 mm
DISTANCE BETWEEN CENTRES 3,000 mm
MAX 1,800 RPM



Standard Equipment

315 mm 3 Jaw Chuck.
Constant Surface Speed.
TRAKing®.
2 Range Headstock.
Quick Change Toolpost with 6 Holders.
Rapid Traverse with Joy Stick.
Air Assist Tailstock.
Interlocked Chuck Guard and Main Guard.
Auto Lubrication.
Flood Coolant.
Worklight.
Centres and Bushes.

Optional Equipment

Advanced Features.
Verify Solid Model Graphics.
DXF File Converter.
Offline Programming.
Drilling Attachment.
Adjustable Back Stop.
Faceplates, Steadies, Chucks and Collet Chucks.
4 or 8 Station Auto Indexing Toolpost.
Swarf Conveyor.

	XYZ RLX 555-3 metre
Swing over bed	560 mm
Swing in gap	935 mm
Gap in front of faceplate	297 mm max
Swing over cross slide	350 mm
Cross slide travel	290 mm
Distance between centres	3,000 mm
Maximum cutting length	2,900 mm
Spindle bore	104 mm
Spindle nose	D 1-11 camlock
Spindle taper	MT 7 in bush
Spindle motor	11.2 kW / (15 HP)
Spindle speeds	30-1,800 rpm (2 ranges)
Tailstock travel	200 mm
Tailstock taper	MT 6
Tailstock diameter	105 mm
Bed width	500 mm
Footprint L x D x H	5,300 x 2,010 x 1,840 mm
Weight	6,600 kg



Visit our website or YouTube channel to see the video.

NEW

XYZ PROTURN RLX 780

SPINDLE 32 kW / (43 HP)
3 METRE GAP BED LATHE
SWING OVER BED 780 mm
SPINDLE BORE 160 mm
DISTANCE BETWEEN CENTRES 3,000 mm
MAX 1,300 RPM

Standard Equipment

500 mm 3 Jaw Chuck.
 Constant Surface Speed.
 TRAKing®.
 2 Range Headstock.
 Quick Change Toolpost with 6 Holders.
 Rapid Traverse with Joy Stick.
 Air Assist Tailstock.
 Interlocked Chuck Guard and Main Guard.
 Auto Lubrication.
 Flood Coolant.
 Worklight.
 Centres and Bushes.

Optional Equipment

Advanced Features.
 Verify Solid Model Graphics.
 DXF File Converter.
 Offline Programming.
 Drilling Attachment.
 Adjustable Back Stop.
 Faceplates, Steadies and Chucks.
 8 Station Auto Indexing Toolpost.
 Swarf Conveyor.



	XYZ RLX 780-3 metre
Swing over bed	780 mm
Swing in gap	1,090 mm
Gap in front of faceplate	157 mm
Swing over cross slides	535 mm
Cross slide travel	430 mm
Distance between centres	3,000 mm
Maximum cutting length	2,900 mm
Spindle bore	160 mm
Spindle nose	A2-11
Spindle taper	MT 7 in bush
Spindle motor	32 kW / (43 HP)
Spindle speeds	20-1,300 rpm - 2 ranges
Tailstock travel	200 mm
Tailstock taper	MT 6
Tailstock diameter	105 mm
Bed width	500 mm
Footprint L x D x H	5,400 x 2,300 x 2,100 mm
Weight	8,600 kg


 Visit our website or YouTube channel to see the video.

Why choose an XYZ Turning Centre?

SIEMENS
Touchscreen

ProtoTRAK® is ideal for low volume production but when moderate to large quantities or many tools are required the XYZ turning centres or machining centres are the answer.

XYZ CT 52 LR



A formidable production package, with high build quality and at a great price.

XYZ CT 65 HD



The XYZ CT 65 HD with box way slides delivering powerful heavy duty turning.

XYZ CT 65 LTY



The LTY with milling and turning in one machine tool.

XYZ TC 320 LTY



Large capacity production turning and milling on a solid cast box way Turning Centre.

XYZ TC 400



Large capacity production turning on a solid cast box way Turning Centre.

XYZ SS 65

**TWIN
SUB SPINDLE**



This new machine in the range is perfect for those larger production runs, where the whole job is best done in one hit.

	XYZ CT 52 LR	XYZ CT 65 HD	XYZ CT 65 LTY	XYZ TC 400	XYZ TC 320 LTY
Spindle motor	11.2 kW / (15HP)	Siemens 17 kW / (23HP)	Siemens 17 kW / (23HP)	Siemens 32 kW / (43HP)	Siemens 32 kW / (43HP)
Max spindle speeds	4,500 rpm	4,000 rpm	4,000 rpm	3,300 rpm	3,300 rpm
Min speed for full power	1,500 rpm	1,500 rpm	1,500 rpm	1,500 rpm	1,500 rpm
Spindle bore (drawtube capacity)	52 mm	65 mm	65 mm	91 mm (78 mm)	91 mm (78 mm)
Spindle nose	A2-5	A2-6	A2-6	A2-8	A2-8
Power chuck diameter	150 mm	200 mm	200 mm	300 mm (380 mm Optional*)	300 mm
Spindle centre height from floor	950 mm	1,050 mm	998 mm	1,020 mm	1,230 mm
Spindle front bearing internal diameter	100 mm	110 mm	100 mm	130 mm	130 mm
Max turned diameter	180 mm	220 mm	220 mm	400 mm	320 mm
Maximum swing	300 mm	400 mm	400 mm	600 mm	450 mm
Swing over carriage cover	220 mm	260 mm	320 mm	410 mm	450 mm
Maximum turned length	300 mm	510 mm	490 mm	600 mm	550 mm
X axis travel	165 mm	175 mm	210 mm	265 mm	270 mm
Y axis travel	N/A	N/A	70 mm (+/- 35 mm)	N/A	100 mm (+/- 50 mm)
Z axis travel	315 mm	525 mm	494 mm	650 mm	600 mm
Ballscrew	X-28 mm Z-32 mm	X-28 mm Z-40 mm	X-28 mm Z-32 mm	X-40 mm Z-45 mm	X-40 mm Y-36 mm Z-45 mm
AC digital servo motors max torque	8Nm	11Nm	11Nm	16Nm	16Nm
Servo motor	UK Spec' Siemens Digital	UK Spec' Siemens Digital	UK Spec' Siemens Digital	UK Spec' Siemens Digital	UK Spec' Siemens Digital
Rapid feedrate	20 M/min	20 M/min	20 M/min	20 M/min	20 M/min
Cutting feedrates	1-20,000 mm/min	1-20,000 mm/min	1-20,000 mm/min	1-20,000 mm/min	1-20,000 mm/min
Toolchanger	Turret 10 Station (block)	12 Station 30VDI Turret	12 Station 30VDI Turret	12 Station 40VDI Turret	12 Station 40VDI Turret
Turret diameter	300 mm A/F	340 mm	370 mm	450 mm	440 mm
Toolchange time	2 secs	2 secs	2 secs	2 secs	2 secs
Max boring bar diameter	32 mm	32 mm	32 mm	40 mm	40 mm
Tool section size	20 mm	20 mm x 20 mm	20 mm x 20 mm	25 mm x 25 mm	25 mm x 25 mm
Tailstock quill taper	N/A	MT 4	MT 4	MT 5	MT 5
Quill diameter	N/A	60 mm	60 mm	95 mm	95 mm
Quill travel	N/A	105 mm	90 mm	125 mm	125 mm
Max quill thrust	N/A	800 kg	800 kg	2,300 kg	2,300 kg
Coolant pump delivery	30 L/min @ 0.8 Bar	30 L/min @ 0.8 Bar	30 L/min @ 0.8 Bar	16 L/min @ 2.5 Bar	16 L/min @ 2.5 Bar
Coolant tank capacity	80 L	80 L	80 L	115 L	125 L
Slideway type	Linear way	Hardened box way	Hardened box way	Hardened box way	Hardened box way
Footprint (without travels)	1,930 x 1,420 mm	2,950 x 2,030 mm	3,250 x 2,060 mm	3,700 x 2,000 mm	3,700 x 2,320 mm
Height from floor to spindle centre	960 mm	1,050 mm	1,200 mm	1,220 mm	1,040 mm
Machine weight	2,000 kg	3,600 kg	4,400 kg	5,700 kg	6,950 kg
Power requirements	37A	37A	45A	57A	64A

XYZ Turning Centres - time proven quality.

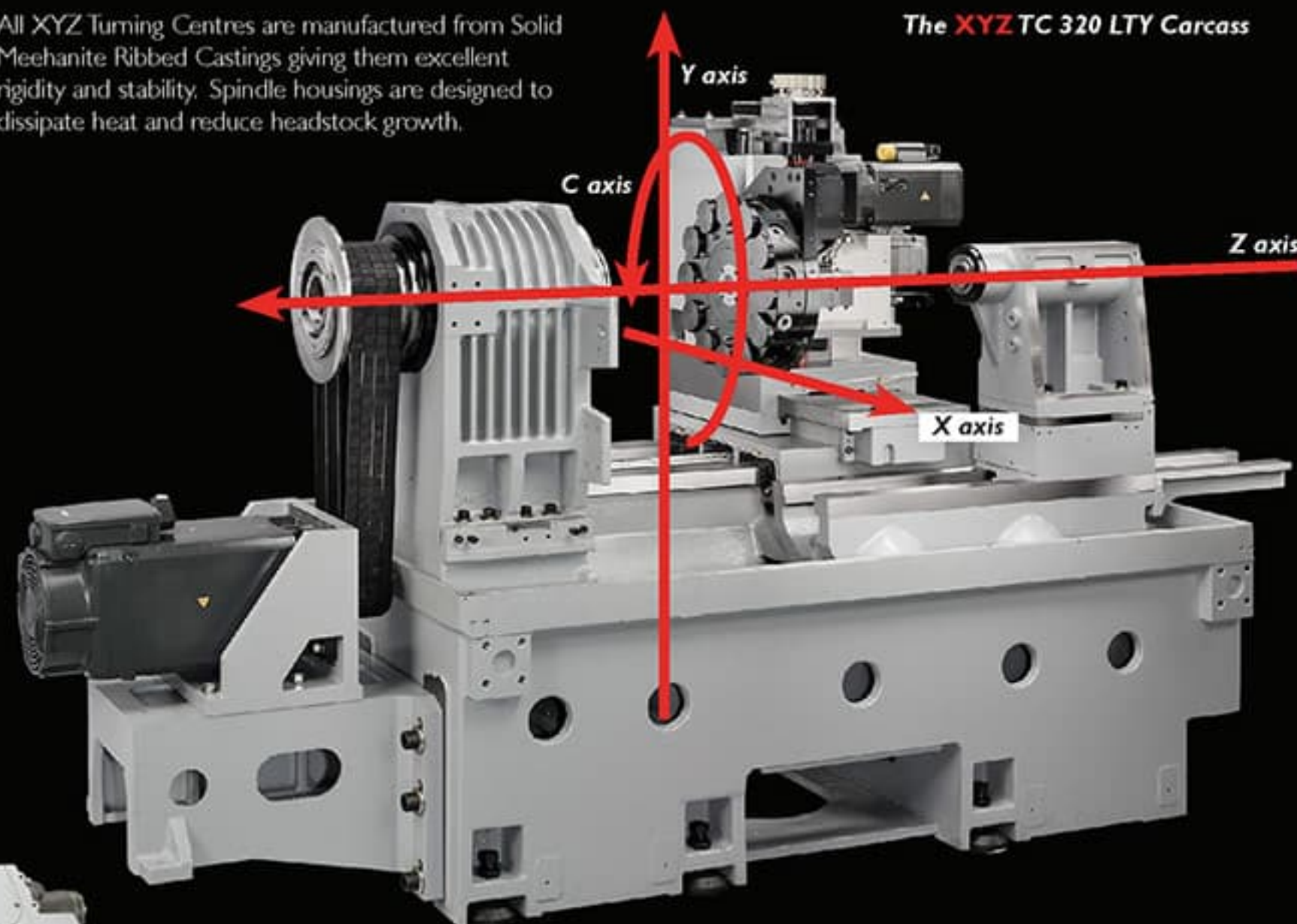
All XYZ turning centres are constructed using solid Meehanite ribbed castings with hardened and ground Turcite B coated slideways, providing a solid machine base, (the CT52LR is a cast base with linear rails). The result is a series of machines that can be put through their paces day after day for many years. Productivity features include chip conveyor, 12 station VDI turret, automatic tool setting and parts catcher and optimised digital servo motors on each axis as standard, while full C axis and Y Axis with live tooling are available as options, (the CT52LR has a 10 station block turret).

All in all, XYZ turning centres offer the complete package for a wide variety of components.



Tailstock
XYZ CT 65 and the XYZ TC 400 Tailstock bodies are positioned manually and clamped hydraulically with adjustable barrel pushing pressure. The LTY Tailstocks are fully programmable.

All XYZ Turning Centres are manufactured from Solid Meehanite Ribbed Castings giving them excellent rigidity and stability. Spindle housings are designed to dissipate heat and reduce headstock growth.



The **XYZ TC 320 LTY Carcass**

This component was machined in 'one hit' using an XYZ Turning Centre with live tooling. Engraving and radial engraving, pockets and hexagons can be easily machined.



The **XYZ COMPACTTURN 65 Carcass**

Box Slideways of the XYZ TC 320 LTY
The 320 LTY is fitted with large hardened and ground guideways giving superb rigidity and performance.



Renishaw Automatic Tool Pre-Setting Arm

The Pre Setting Arm gives the operator consistency when measuring tool offsets. The pre-setting arm is standard on all XYZ Turning Centres.



Pre setting arm in the tool measurement position

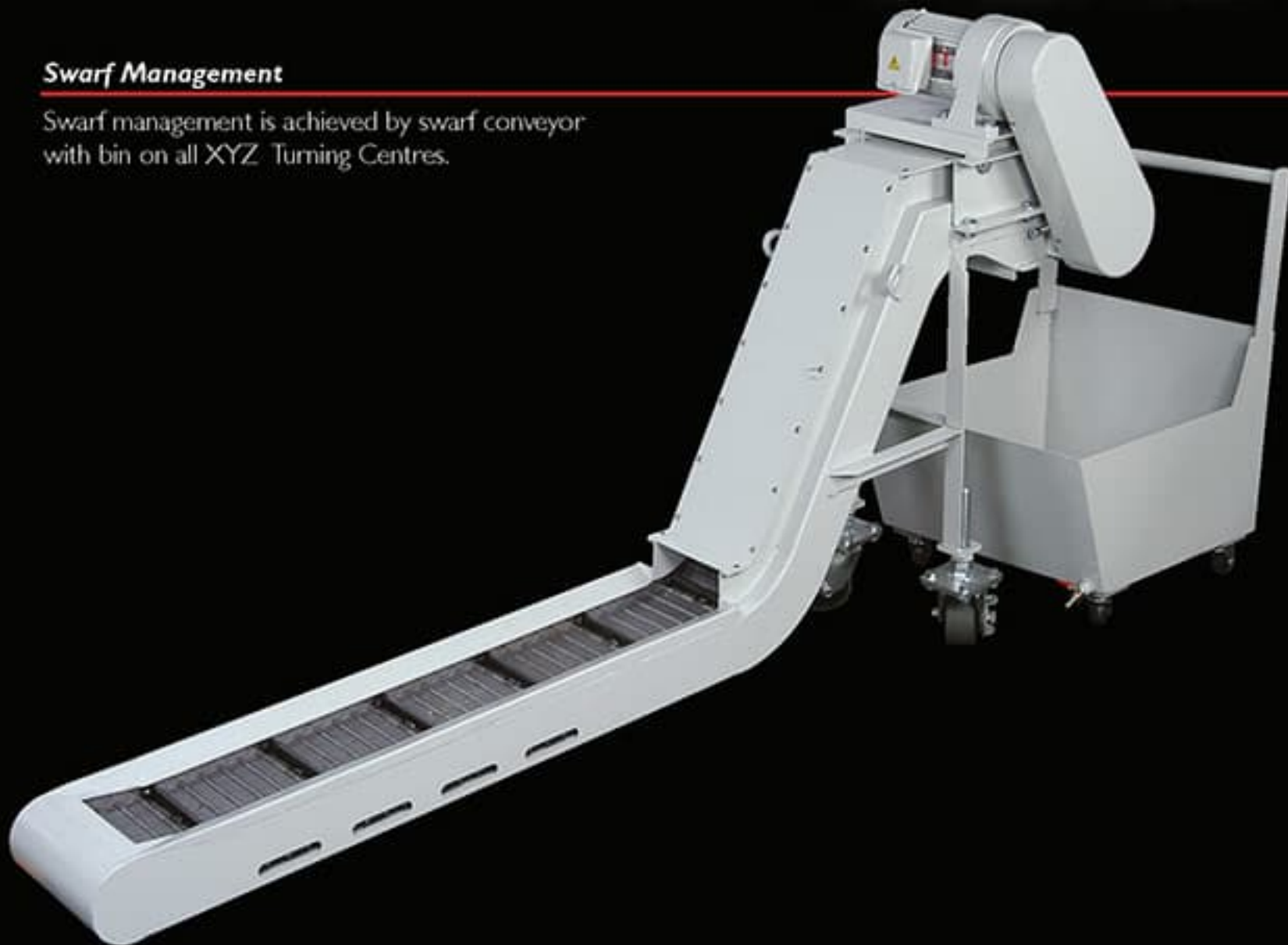
Hydraulic cylinder mechanism for chuck or collet clamping, unclamping

With either 65 or 77 mm bar capacity all XYZ Turning Centres are fitted with sensors to inform the operator if the part is not clamped correctly.



Swarf Management

Swarf management is achieved by swarf conveyor with bin on all XYZ Turning Centres.



VDI Sauter (German) turret equipped with or without driven tooling



VDI turret allows for quick change over or repositioning of tooling, and when equipped with the 'driven tool' option any one of the twelve stations can house the milling or drilling tools.

Barfeed

We offer a range of Barfeeds to suit your application.



Various makes of pneumatic and servo bar feeds can be supplied.

NEW

XYZ CT 52 LR

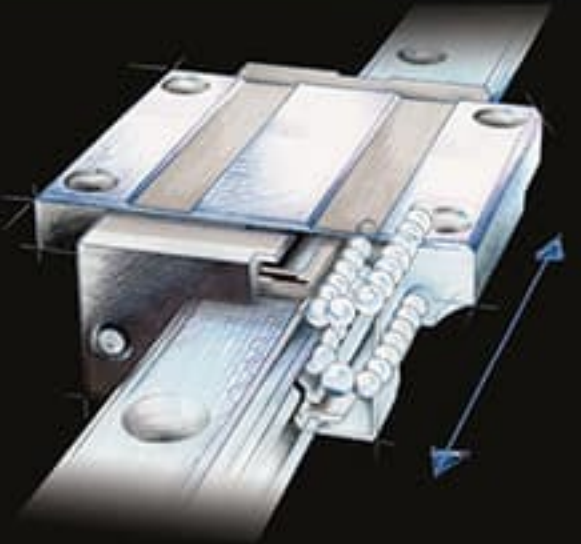
**SPINDLE 11.2 kW / (15 HP)
52 mm BAR CAPACITY
4,500 RPM
SOLID CASTING 2,000 KG**



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

With linear rail slides

The **XYZ CT 52 LR** features the latest in high quality linear rail ball bearing slide technology.



Shown with optional swarf conveyor.

SIEMENS

Standard Equipment

Siemens 828D Control.
 Advanced Programming (ShopTurn).
 PLC written by Siemens UK.
 Hydraulic 150 mm 3 Jaw Chuck.
 Tool Setting Arm.
 10 Station Block Turret.
 Parts Catcher.
 Flood Coolant.
 USB Port.
 Oil Skimmer.

Optional Equipment

Swarf Conveyor and Bin.
 Contour Handwheel.
 Network Setup at your factory.
 LNS or Hydrafeed Barfeed Systems.
 Collet Chucks.
 Tooling Options (Holders, Bar Pullers etc).
 Advanced Swarf Management System.
 Offline Programming.
 Siemens CAD Reader.

	XYZ CT 52 LR
Power chuck diameter	150 mm
Maximum swing	300 mm
Swing over carriage cover	220 mm
Maximum turned diameter	180 mm
Maximum turned length	300 mm
X axis travel	165 mm
Z axis travel	315 mm
Spindle centre height from floor	950 mm
Spindle nose	A2-5
Bar capacity	52 mm
Spindle front bearing internal dia	100 mm
Max spindle speed	4,500 rpm
Spindle motor	11.2 kW / (15 HP)
Min spindle speed for full power	1,500 rpm
X & Z axis rapid traverse rate	20 M/min
X axis slideway configuration	Linear Way
Z axis slideway configuration	Linear Way
Ballscrew diameter (X & Z)	28/32 mm
Servo motors (X,Z & turret)	8Nm
Turret	10 Station (block)
Turning tool shank dimensions	20 x 20 mm
Max. boring bar diameter	32 mm
Tailstock quill taper	N/A
Quill diameter and travel	N/A
Max. quill thrust	N/A
Coolant tank capacity	80 litre
Coolant pump delivery	30 l/min @ 0.8 Bar
Machine weight	2,000 kg
Footprint WxDxH approx (with conveyor)	1,930 x 1,420 x 1,700 mm 2,650 x 1,420 x 1,700 mm



Visit our website or YouTube channel to see the video.

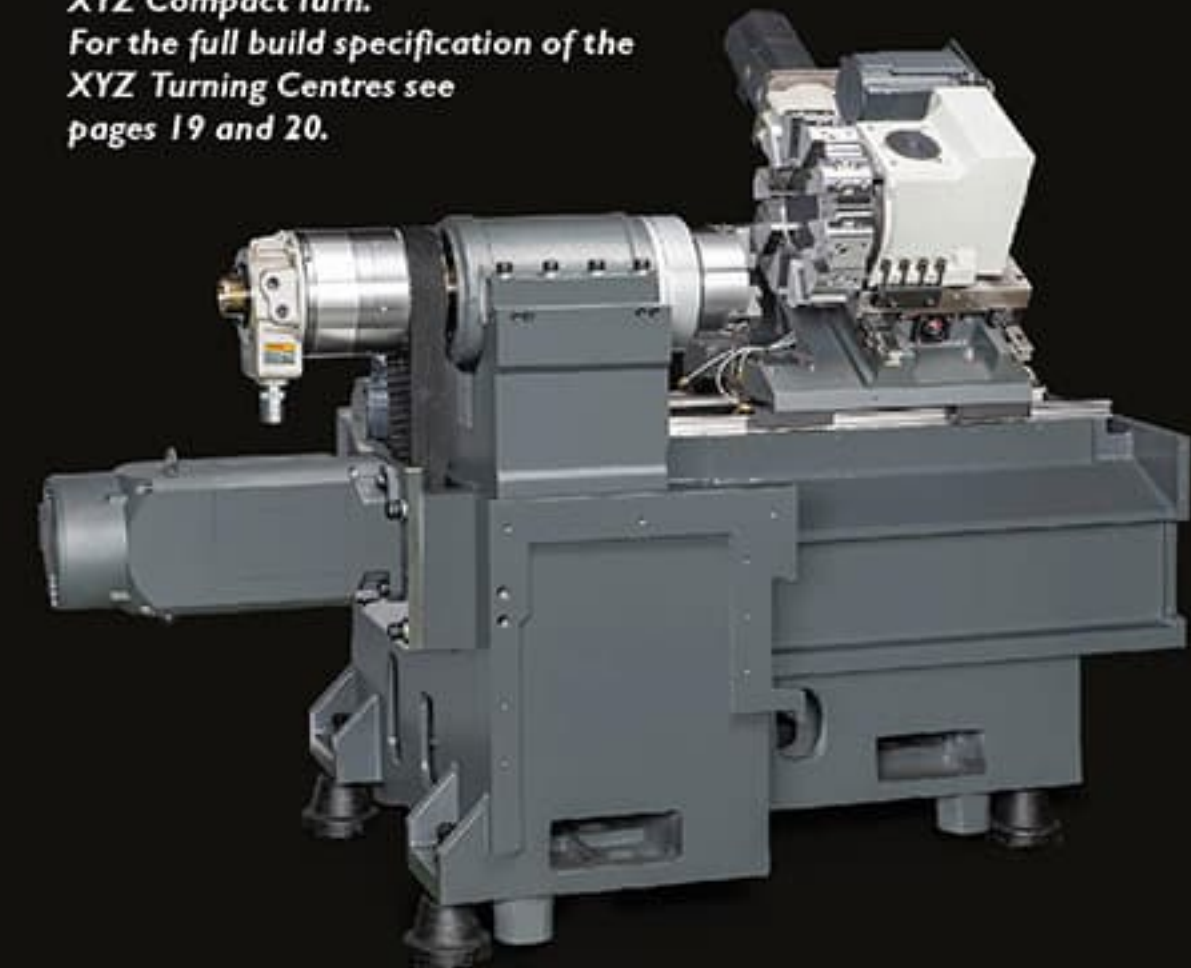
The **XYZ** Compact Turn 52 LR Turning Centre.

Following on from the best-selling XYZ LR machining centres, the same Linear Rail technology has now been applied to the turning centre. The result is the new Compact Turn 52 LR with 52 mm bar capacity.

Equipped with the latest Siemens 828 control and with a footprint of only 2 x 1.5 metres the **XYZ CT 52 LR** punches way above its weight and its size. This is high level turning production with the minimum of financial outlay, a must see for all UK engineers who need turning capability and efficiency.

The **XYZ CT 52 LR** comes with free initial training, ongoing service and support and free access to the **XYZ** Programming Helplines. Advanced turning capability has never been more affordable. Call for a demo.

The solid cast construction of the XYZ Compact Turn. For the full build specification of the XYZ Turning Centres see pages 19 and 20.



XYZ CT 65 HD

SPINDLE 17 kW / (23 HP)
200 mm HYDRAULIC CHUCK
66 mm BAR CAPACITY
4,000 RPM
SMALL FOOTPRINT

510mm Z Travel

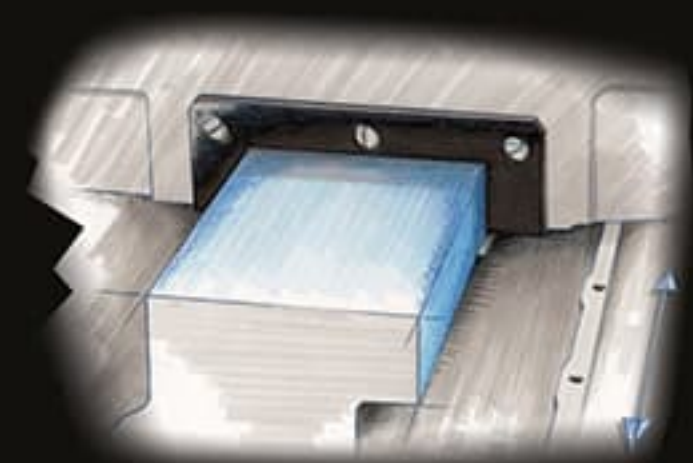
HD
HEAVY DUTY



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

With Hard Box Way slides

The **XYZ CT 65 HD** features the latest in high quality Hard Box Way slide technology.



SIEMENS
Touchscreen

Standard Equipment

Siemens 828D ShopTurn
Touchscreen Control.
PLC written by Siemens UK.
Hydraulic 200 mm 3 Jaw Chuck.
Sauter 'German' VDI Turret.
Parts Catcher.
Through Tool and Flood Coolant.
Remote Electronic Handwheel.
USB Port.
Networking.
Renishaw Automatic
Tool Setting Arm.
Swarf Conveyor & Bin.
Hydraulic Tailstock.

Optional Equipment

Collet Chuck.
Hydraulic 250 mm 3 Jaw Chuck.
Bar Puller.
LNS or Hydrafeed Bar Feed Systems.
Offline Programming.
Siemens CAD Reader.
Contour Handwheel
(wind the handwheel to run through
the program).
Advanced Swarf Management System.

	XYZ CT 65 HD
Power chuck diameter	200 mm
Maximum swing	400 mm
Swing over carriage cover	260 mm
Maximum turned diameter	220 mm
Maximum turned length	510 mm
X axis travel	175 mm
Z axis travel	525 mm
Spindle centre height from floor	998 mm
Spindle nose	A2-6
Bar capacity	65 mm
Spindle front bearing internal dia	110 mm
Max spindle speed	4,000 rpm
Spindle motor	17 kW / (23 HP)
Min spindle speed for full power	1,500 rpm
X & Z axis rapid traverse rate	20 M/min
X axis slideway configuration	Hard box way
Z axis slideway configuration	Hard box way
Ballscrew diameter (X & Z)	28/40 mm
Servo motors	11 Nm
Turret	12 Station VDI 30
Turning tool shank dimensions	20 x 20 mm
Max boring bar diameter	32 mm
Tailstock quill taper	MT 4
Quill diameter and travel	75 / 120 mm
Max. quill thrust	800 kg
Coolant tank capacity	80 litre
Coolant pump delivery	30 l/min @ 2.5 Bar
Machine weight	3,600 kg
Footprint W x D x H approx with conveyor	2,950 x 2,030 x 1,650 mm



Visit our website or YouTube
channel to see the video.

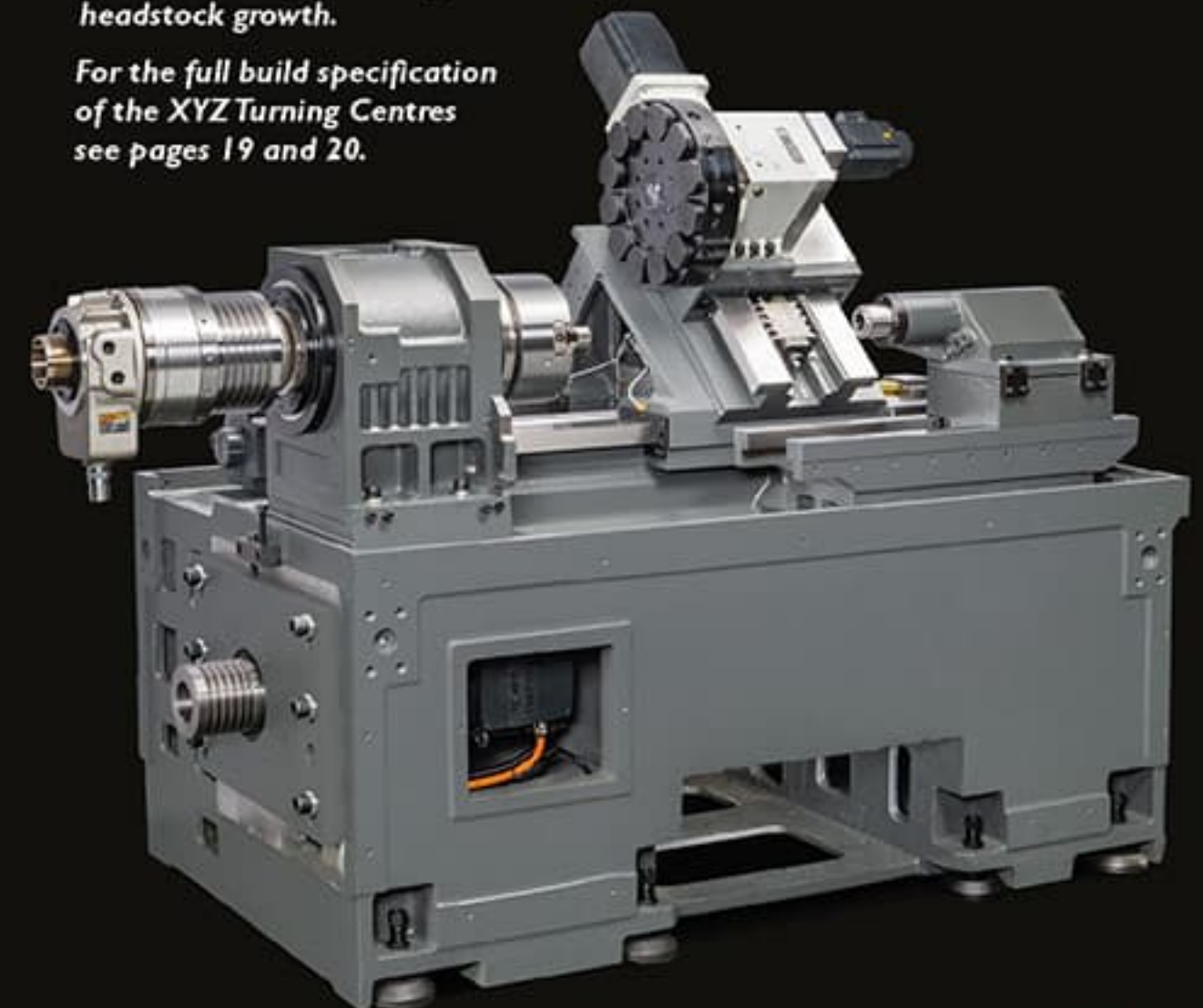
The **XYZ CT 65 HD** with box way slides delivering powerful heavy duty turning.

Due to customer demand we have increased the maximum turned length of the Compact Turn from 260 mm to 510 mm. Each machine comes with a wide range of standard equipment normally offered as options on competitor machines, these include hydraulic chuck, 12 station VDI Sauter Turret, Renishaw tool setting, swarf conveyor and tailstock. The control is the latest Siemens Touchscreen 828D with ShopTurn conversational control making the XYZ CT 65 HD ideal for both experienced and novice CNC users.

The XYZ CT 65 HD is perfect for the subcontractor who doesn't know what job or material is coming next. This 2 axis machine and a CNC Milling machine or VMC can often be a more versatile and cost effective combination, than buying a Turning Centre with Y axis or live tool turret.

All XYZ Turning Centres are manufactured from Solid Meehanite Ribbed Castings giving them excellent rigidity and stability. Spindle housings are designed to dissipate heat and reduce headstock growth.

For the full build specification of the XYZ Turning Centres see pages 19 and 20.



XYZ CT 65 LTY

SPINDLE 17 kW / (23 HP)
65 mm BAR CAPACITY
4,000 RPM
Live tooling
70 mm Y axis



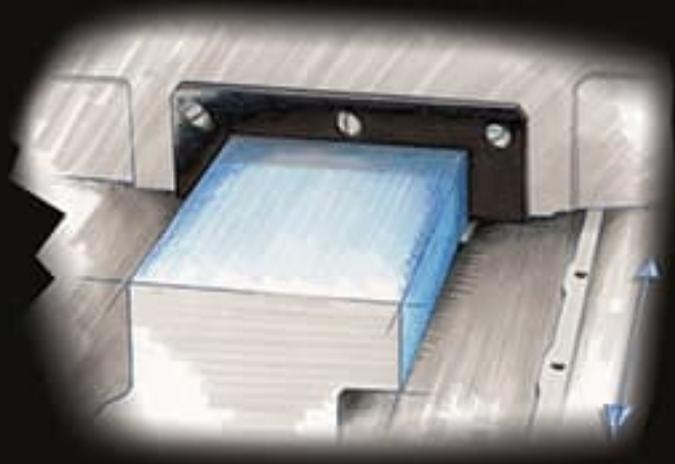
XYZ CT 65 LTY live tooling C axis	
No. of stations	12, all live
Max rpm	4,500 rpm
Power 40% rating	4 kW
'C' axis resolution	0.001°

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

 Visit our website or YouTube channel to see the video.

With Hard Box Way slides

The XYZ CT 65 LTY features the latest in high quality Hard Box Way slide technology.



SIEMENS
Touchscreen

Standard Equipment

Siemens 828D ShopTurn
Touchscreen Control.
 PLC written by Siemens UK.
 Hydraulic 200 mm 3 Jaw Chuck.
 Sauter 'German' VDI Turret.
 Parts Catcher.
 Through Tool and Flood Coolant.
 Remote Electronic Handwheel.
USB Port.
Networking.
 Renishaw Automatic
 Tool Setting Arm.
 Swarf Conveyor & Bin.
 Programmable Hydraulic Tailstock.

Optional Equipment

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.

The 'Y' axis of the **XYZ CT 65 LTY** can travel 35 mm above and below centreline (70 mm total travel), making easy work of most components that would normally require milling and turning operations.



	XYZ COMPACTTURN 65 LTY
Power chuck diameter	200 mm
Maximum swing	400 mm
Swing over carriage cover	320 mm
Maximum turned diameter	220 mm
Maximum turned length	490 mm
X axis travel	220 mm
Y axis travel	+/- 35 mm (70 mm)
Z axis travel	500 mm
Spindle centre height from floor	998 mm
Spindle nose	A2-6
Spindle bore	76 mm
Bar capacity	65 mm
Spindle front bearing internal dia	110 mm
Max spindle speed	4,000 rpm
Spindle S1 continuous	9 kW / (12 HP)
S2-30 mins	11 kW / (15 HP)
S6 25% (2.5 mins in 10)	17 kW / (23 HP)
Min spindle speed for full power	1,500 rpm
X & Z axis rapid traverse rate	20 M/min
Y axis rapid traverse rate	15 M/min
X axis slideway configuration	Hardened box way
Z axis slideway configuration	Hardened box way
Ballscrew diameter (X & Z)	32/40 mm
Servo motors	11 Nm
Turret	12 Station VDI 30
Live tool max rpm	4,500 rpm
Turning tool shank dimensions	20 x 20 mm
Max. boring bar diameter	32 mm
Tailstock quill taper	MT 4
Quill diameter and travel	75 x 120 mm
Max. quill thrust	800 kg
Coolant tank capacity	80 L
Coolant pump delivery	30 L/min @ 0.8 Bar
Machine weight	4,400 kg
Footprint W x D x H approx with conveyor	3,250 x 2,060 x 2,000 mm

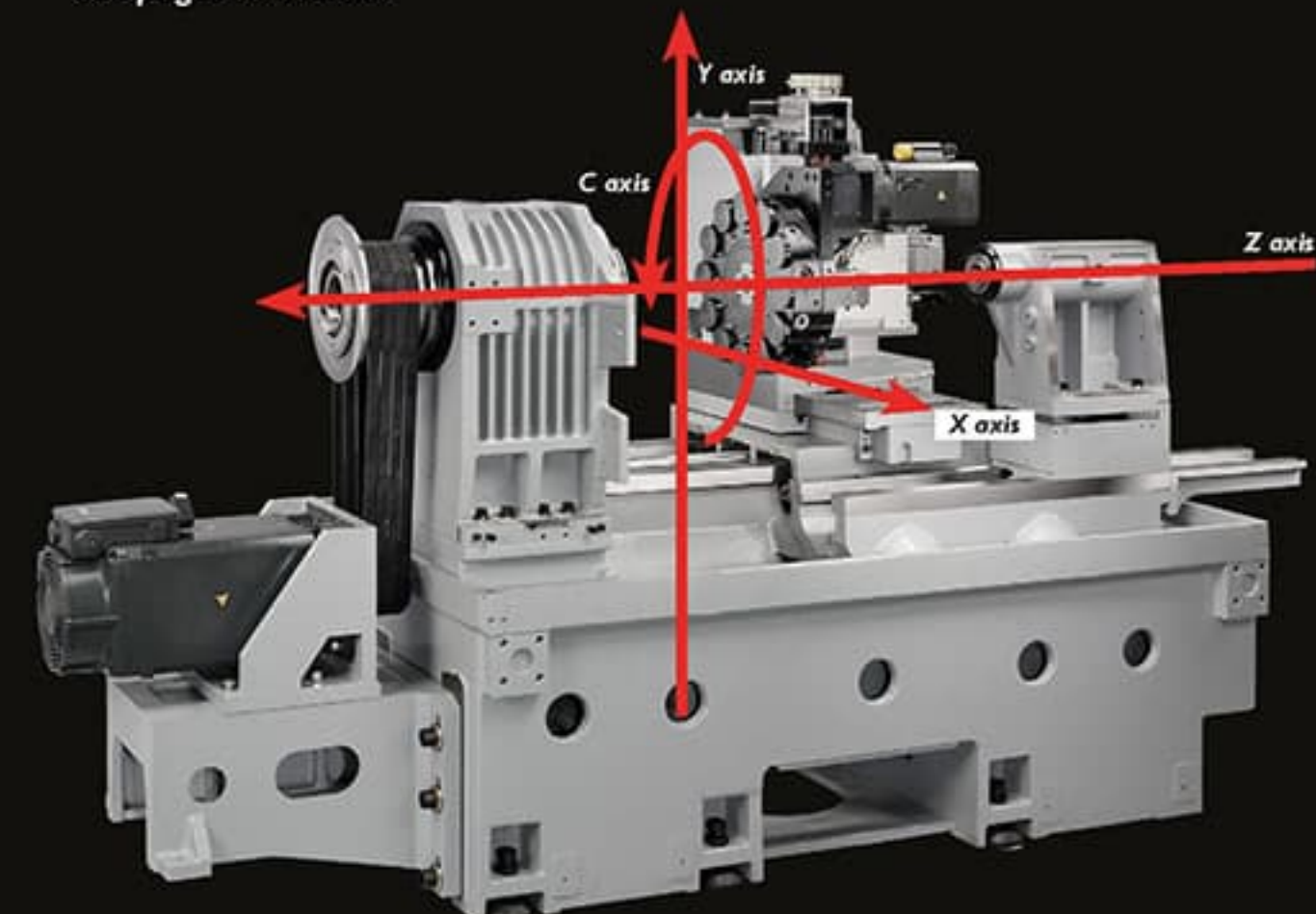
The **XYZ CT 65 LTY** Turning Centre for quick one hit mill/turn production.

The smallest Y axis turning centre in the XYZ range offers great production capabilities from a very small footprint.

The CT 65 LTY is a perfectly sized, yet solidly built, versatile turning centre that makes the most of the smallest of shopfloor spaces. Standard equipment, not normally found on machines of this type, include hydraulic chuck, 12-station VDI turret, Renishaw tool setting, swarf conveyor and tailstock. The latest in conversational control technology from the Siemens 828D ShopTurn, makes the machine ideal for experienced and novice CNC users alike.

The addition of the Y axis and live tooling means that productivity can be enhanced as many components that require turning and milling can come off the CT 65 LTY finished.

For the full build specification of the XYZ Turning Centres see pages 19 and 20.



XYZ TC 320 LTY

SPINDLE 32 kW / (43 HP)
300 mm CHUCK (380 mm optional*)
91 mm SPINDLE BORE
78 mm BAR CAPACITY
3,300 rpm SPINDLE
Live tooling
100 mm Y axis



This component was machined using live tools and 'Y' axis that is standard on the XYZ TC 320 LTY. Off centre milling, drilling, engraving and radial engraving, pockets and hexagons can be easily machined on this mill turn machine.

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

Live Tooling / C Axis

	XYZ TC 320 LTY
No. of stations	12, all live
Max rpm	4,500 rpm
Power 40% rating	6 kW
'C' axis resolution	0.001°

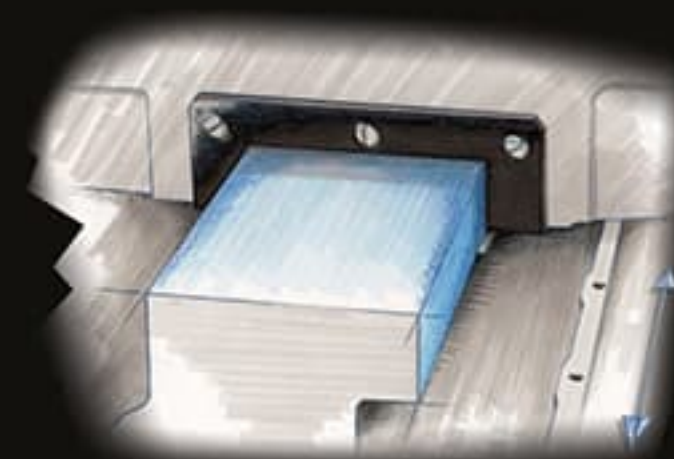


Visit our website or YouTube channel to see the video.



With Hard Box Way slides

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



SIEMENS
Touchscreen

Standard Equipment

Siemens 828D ShopTurn
Touchscreen Control.
 PLC written by Siemens UK.
 Hydraulic 315 mm 3 Jaw Chuck.
 Sauter 'German' VDI Turret.
 Automatic Tool Setting Arm.
 Swarf Conveyor & Bin.
 VDI Turret.
 Full 'C' Axis.
 Live Tooling.
 100 mm 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.

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



	XYZ TC 320 LTY
Power chuck diameter	300 mm (380 mm optional*)
Maximum swing	450 mm
Swing over carriage cover	450 mm
Maximum turned diameter	320 mm
Maximum turned length	550 mm
X axis travel	270 mm
Y axis travel	100 mm ± 50 mm
Z axis travel	600 mm
Spindle centre height from floor	1,230 mm
Spindle nose	A2-8
Spindle bore	91 mm
Bar capacity	78 mm
Spindle front bearing internal dia	130 mm
Max spindle speed	3,300 rpm
Spindle motor	32 kW / (43 HP)
Min spindle speed for full power	1,500 rpm
X & Z axis rapid traverse rate	20 & 20 M/min
Y axis rapid traverse rate	15 M/min
X axis slideway configuration	Hardened box ways
Y axis slideway configuration	Hardened box ways
Z axis slideway configuration	Hardened box ways
Ballscrew diameter (X,Y & Z)	40 x 36 x 45 mm
Servo motors	16Nm
Turret diameter	440 mm
Tool type	VDI 40 (5480)
Number of tool stations	12
Turning tool shank dimensions	25 x 25 mm
Max. boring bar diameter	40 mm
Tailstock quill taper	MT5
Quill diameter and travel	95 x 125 mm
Max. quill thrust	2,300 kg
Coolant tank capacity	125 litre
Coolant pump delivery	16 L/min @ 4 Bar
Machine weight	6,950 kg
Footprint W x D x H approx with conveyor	3,700 x 2,320 x 2,030 mm

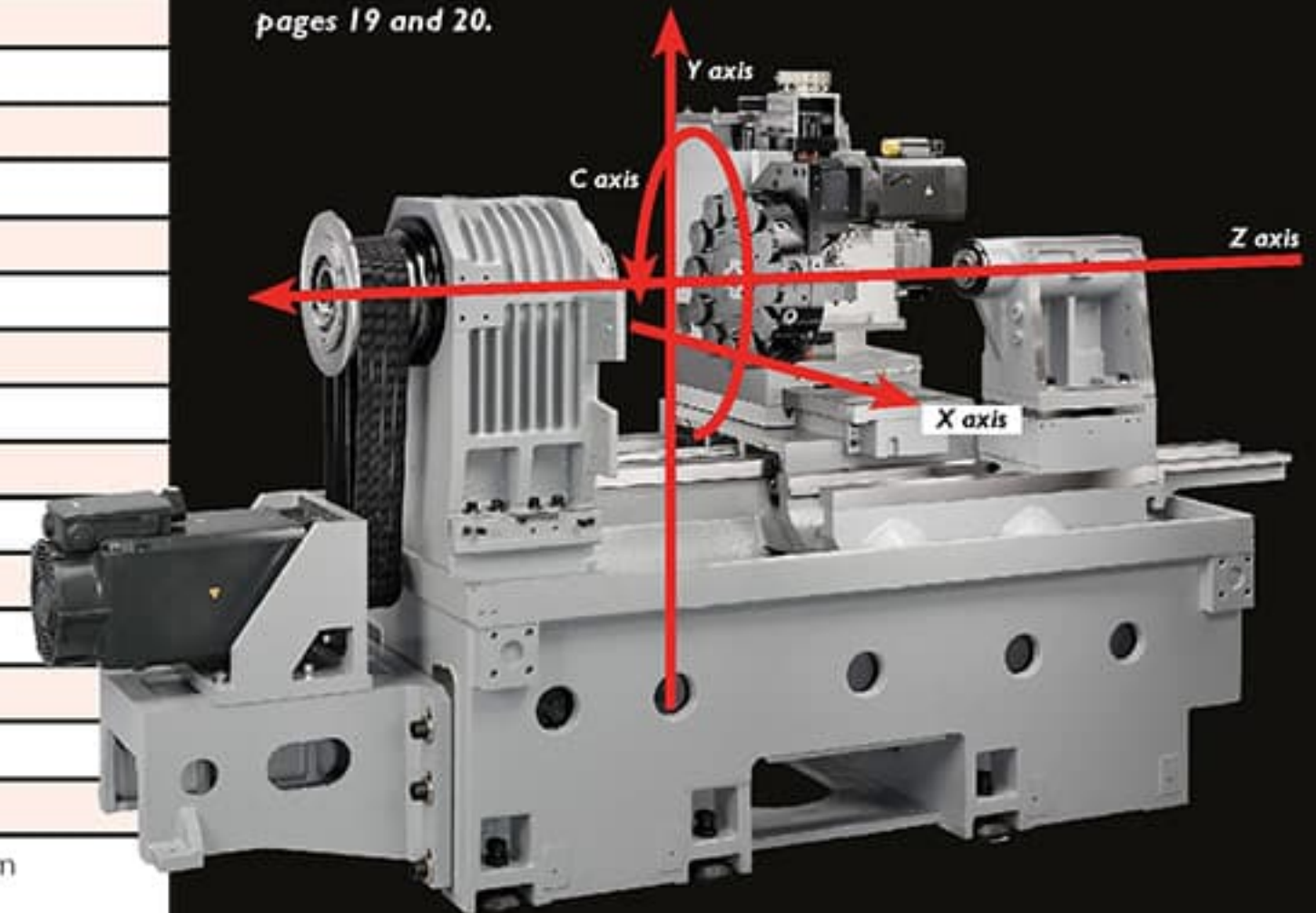
* Renishaw Toolsetting arm has to be removed.

The XYZ TC 320 LTY packs a powerful productivity punch.

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. Added to this is the extensive list of standard equipment that makes the XYZ TC 320 LTY a highly competitive turning centre package. This list includes hydraulic chuck, 12-station (all live) VDI turret, Renishaw tool setting, swarf conveyor and the market leading Siemens 828D ShopTurn conversational control.

The TC 320 LTY is a solid cast machine with box ways that forms the base for precision turning and rigid milling. For the full build specification of the XYZ Turning Centres see pages 19 and 20.



XYZ TC 400

SPINDLE 32 kW / (43 HP)
300 mm CHUCK (380 mm optional*)
91 mm SPINDLE BORE
78 mm BAR CAPACITY
3,300 RPM



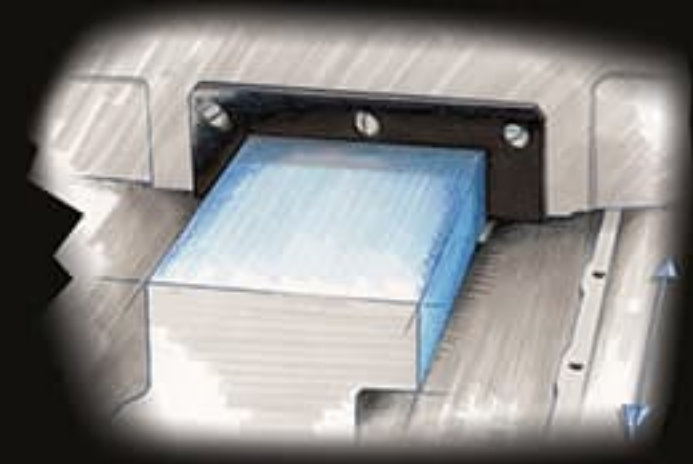
Conforming to ISO 13041	
Positional accuracy	+/- 5 microns
Repeatability	+/- 2 microns
Cutting accuracy over 100 mm	10 microns
Geometric accuracy over 100 mm	10 microns



Visit our website or YouTube channel to see the video.

With Hard Box Way slides

The XYZ TC 400 features the latest in high quality Hard Box Way slide technology.



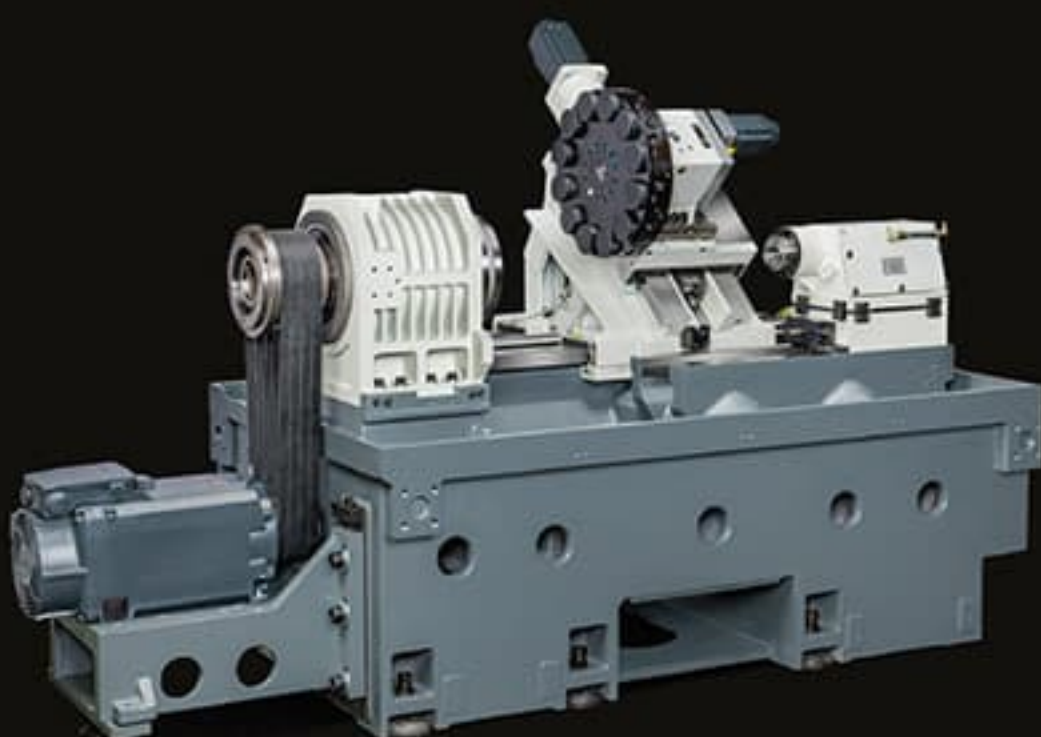
SIEMENS
Touchscreen

Standard Equipment

Siemens 828D ShopTurn
Touchscreen Control.
 PLC written by Siemens UK.
 Hydraulic 300 mm 3 Jaw Chuck
 (380 mm optional).
 Sauter 'German' VDI Turret.
 Automatic Tool Setting Arm.
 Swarf Conveyor & Bin.
 Hydraulic Tailstock.
 Through Tool Flood Coolant.
 Remote Electronic Handwheel.
 USB Port.
 Networking.

Optional Equipment

Collet Chuck.
 Bar Puller.
 LNS or Hydrafeed Bar Feed Systems.
 Offline Programming.
 Siemens CAD Reader.
 Contour Handwheel
 (wind the handwheel to run through
 the program).
 Advanced Swarf Management System.



	XYZ TC 400
Power chuck diameter	300 mm (380 mm optional)*
Maximum swing	600 mm
Swing over carriage cover	410 mm
Maximum turned diameter	400 mm (15.75")
Maximum turned length	600 mm
X axis travel	275 mm
Z axis travel	650 mm
Spindle centre height from floor	1,020 mm
Spindle nose	A2-8
Spindle bore	91 mm
Bar capacity	78 mm
Spindle front bearing internal dia	130 mm
Max spindle speed	3,300 rpm
Spindle motor	32 kW / (43 HP)
Min spindle speed for full power	1,500 rpm
X & Z axis rapid traverse rate	10 & 20 M/min
X axis slideway configuration	Hardened box ways
Z axis slideway configuration	Hardened box ways
Ballscrew diameter (X, Z)	40 / 45 mm
Servo motors	16Nm
Turret diameter	450 mm
Tool type	VDI 40
Number of tool stations	12
Turning tool shank dimensions	25 x 25 mm
Max. boring bar diameter	40 mm
Tailstock quill taper	MT5
Quill diameter and travel	95 x 125 mm
Max. quill thrust	2,300 kg
Coolant tank capacity	115 litre
Coolant pump delivery	16 L/min @ 2.5 Bar
Machine weight	5,700 kg
Footprint WxDxH approx with conveyor	3,700 x 2,000 x 2,000 mm

* Renishaw Toolsetting arm has to be removed.

The **XYZ TC 400** is the largest capacity turning centre in the XYZ range.

This large capacity workhorse of a turning centre comes complete with standard equipment that includes hydraulic chuck, 12 station turret, Renishaw tool setting, swarf conveyor and tailstock. Many of these options are costly extras with competitors machine tools. The latest Siemens 828D ShopTurn conversational control makes it ideal for both experienced and novice CNC users. For a subcontractor that doesn't know what job is coming in next week this 2 axis machine and the CNC milling machine or a VMC is often a more versatile and cost effective combination than buying a Turning Centre with Y axis or live tooling turret.

For bigger turning capacity see our extra large CNC lathes on pages 37 to 38.



For the full build specification of the XYZ Turning Centres see pages 19 and 20.

XYZ SS 65

**TWIN
SUB SPINDLE**

The twin / sub spindle turning centre with live tooling and Y axis gives you the ability to machine both ends of a component reducing the frequency of loading and unloading. This reduces idle time and improves productivity, milling and turning can be done in one set up.

The 30° one-piece slant bed provides a rigid base. Linear ways ensure faster movement and precision.



Standard Equipment

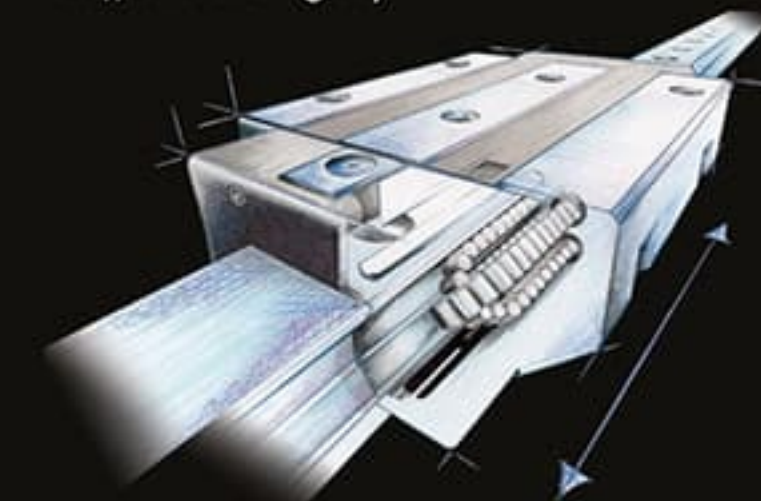
Siemens 828 ShopTurn/ShopMill
Touchscreen Control.
200 mm Hydraulic Chuck on Main Spindle.
150 mm Chuck on Sub Spindle.
Sauter "German" VDI 30 Turret.
Y Axis.
Live Tooling.
Parts Catcher.
Swarf Conveyor and Bin.
Renishaw Automatic Toolsetting Probe.
C Axis for Complex Contour with Brake.
30° One Piece Slant Bed.

Optional Equipment

LNS or Hydrafeed Bar Feed Systems.
Collet Chuck.
Contour Handwheel.
Advanced Swarf Management.
Offline Programming.
Siemens CAD Reader.

With linear roller bearing slides

The **XYZ SS 65** features a larger bearing contact area for high speed precision and enhanced stiffness and rigidity.



SIEMENS
Touchscreen

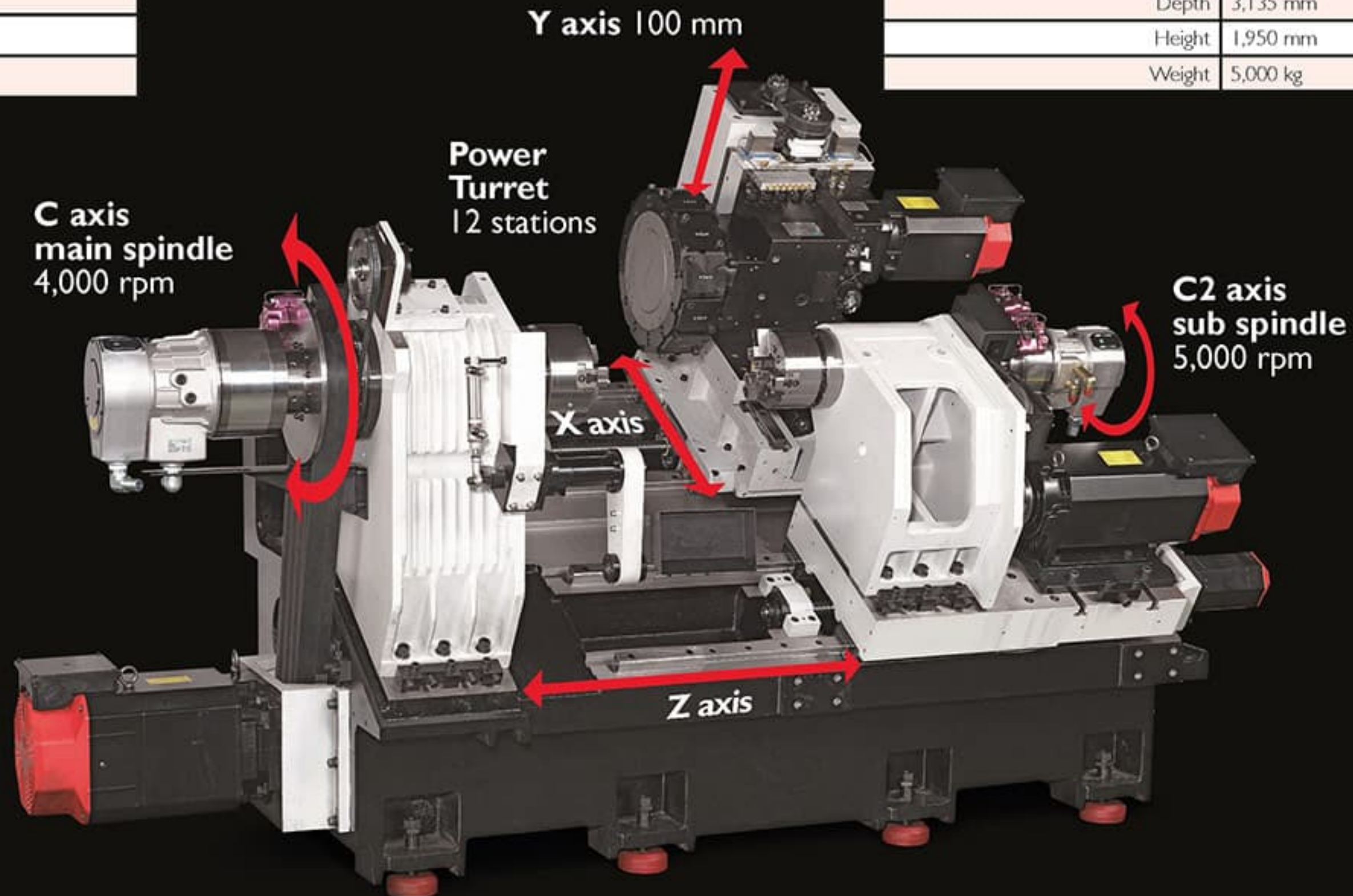


	XYZ SS 65
Main Spindle	
Main spindle motor	16.5 kW / (23 HP)
Max spindle speeds	4,000 rpm
Bar capacity	Ø 65 mm
Main spindle nose	A2-6
Power chuck diameter	200 mm
Sub Spindle	
Sub spindle motor	11 kW / (15HP)
Sub max main spindle speeds	5,000 rpm
Sub spindle hole diameter	Ø 52 mm
Sub spindle nose	A2-5
Sub power chuck diameter	150 mm

	XYZ SS 65
Swing over bed	Ø 650 mm
Swing over cross slide	Ø 380 mm
Max turning diameter	Ø 380 mm
Max turning length	520 mm
Tool holder	VDI 30 live
Y axis	+/- 50 mm (100 mm)
Live tool max speed	5,000 rpm
Number of tool stations	12
Turning tool shank dimensions	20 x 20 mm
Boring bar dia.	Ø 40 mm
Rapid feed rate	24 M/min

	XYZ SS 65
X-axis ballscrew	Ø 32 mm x P10 x C3
Y-axis ballscrew	Ø 28 mm x P6 x C3
Z-axis ballscrew	Ø 32 mm x P10 x C3
Z2-axis ballscrew	Ø 32 mm x P10 x C3
Servo motor torque (X / Z)	11 / 16Nm
Positioning accuracy	+/- 5µm
Repeatability accuracy	+/- 2µm
Coolant capacity	480L
Coolant pump delivery	135 L/min @ 2.5 Bar
Length without chip conveyor	4,020 mm
Length with chip conveyor	4,485 mm
Depth	3,135 mm
Height	1,950 mm
Weight	5,000 kg

This new machine in the range is perfect for those larger production runs, where the whole job is best done in one hit.



XYZ ROBO-TEND

Mobile Robot Automation for Milling and Turning.



The **XYZ ROBO-TEND**
on an **XYZ** Vertical Machining Centre.

- Minimise your labour costs.
- Works 24/7.
- Payback can be just a few months.
- British designed and built.
- 10 - 25 kg Robot capacity range.

‘ This brings true mobile robot automation within the reach of traditional sub-contract engineering businesses. ’

N Atherton

Nigel Atherton
XYZ MANAGING DIRECTOR

Standard Equipment

KUKA Robot and Siemens Control Panel.
User Friendly Conversational Control.
Vision System.
Guarding.
One-way Drawer System.
Simple Gripper Mill or Lathe.

Optional Equipment and Features

Servo or Double Grippers.
Automatic Vices.
Vertical Conveyor System.
Turnover Station.
Two-way Drawer System
(allows component intervention whilst robot and machine continue to work).
Additional Storage Trolleys.
Bespoke Systems available.



The **XYZ ROBO-TEND** on an **XYZ** Turning Centre

1 Wheel it up.

The robot trolley is wheeled up to the front of the chosen machine tool and then locked into position.



2 Lock it into position.

The loading trolley is then securely attached to the robot trolley. The robot identifies the trolley and its contents. The guard locks and ROBO-TEND becomes live.



3 Tell it the billet size.

With a conversational interface the robot controller can be programmed to know the shape of billet, material size and number of parts in the drawers.



For Machining
and Turning
Centres



Call 01823 674200
to get a copy of the
XYZ ROBO-TEND
brochure.



Visit our website or YouTube
channel to see the video.

INITIAL FREE TRAINING
For up to 3 people on installation day.

FROM
LESS THAN
£2
PER HOUR
NO N.I. AND TAX DEDUCTIBLE

XYZ XL LATHES

XYZ XL Lathes and Oil Country Lathes.

XYZ XL 780
(page 36)

XYZ XL 1100
(page 37, 38)

XYZ XL 1200
(page 37, 38)

XYZ XL 1500
(page 37, 38)

XYZ OIL COUNTRY
(page 37, 38)



*The XYZ XL 780 is also available with
a Rock Steady*



XYZ XL 780

**SPINDLE 32 kW / (43 HP)
3 METRE GAP BED LATHE
SWING OVER BED 780 mm
SPINDLE BORE 160 mm
DISTANCE BETWEEN
CENTRES 3,000 mm
MAX 1,300 RPM**

Standard Equipment

Siemens 828D ShopTurn
Touchscreen Control.
3 Jaw 500 mm Diameter Steel Chuck.
4 Station Auto Indexing Toolpost.
Air Assist 'Floating' Tailstock with
Towing Hitch.
Joystick Control for Rapid Movement.
Coolant.
Worklight.
Automatic Lubrication.
Electromagnetic Spindle Brake.
Chuck Guard (interlocked).
Swarf Guard (interlocked).
Dead Centres and Sleeves.
Networking.
Compact Flash Card Slot.
USB Port.

Headstock

The Headstock is built using induction hardened and precision ground gears. Precision taper roller bearings and support journal bearings ensure spindle rigidity and concentricity. High pressure oil lubrication is provided to all gears and bearings via a pump and oil cooler ensuring thermal stability, quiet running and long life.

Control

We have chosen the 'Easy to program' Siemens 828D Conversational 'Shop Turn' Control as the standard control.

Tailstock

The massive tailstock with two clamp points prevents movement when machining components between centres. For ease of use we have incorporated air assist 'floating' tailstock with towing hitch.

Cast Bed & Base

This heavy machine comes with a massive one piece 500 mm wide bed with induction hardened and ground slides.

Optional Equipment

Siemens Contour Handwheel (*wind the handwheel to run through the program*).
Offline Programming.
Face Plates, Steadies and Chucks.
Factory Networking.
Live 8 Station Turret.
Conveyor and Bin.
Advanced Swarf Management System.
C Axis with Break.

	XYZ XL 780
Swing over bed	780 mm
Swing in gap	1,090 mm
Gap in front of faceplate	157 mm
Swing over cross slides	535 mm
Cross slide travel	430 mm
Distance between centres	3,000 mm
Maximum cutting length	2,900 mm
Spindle bore	160 mm
Spindle nose	A2-11
Spindle taper	MT 7 in bush
Spindle motor	32 kW / (43 HP)
Spindle speeds	20-1,300 rpm (2 ranges)
Tailstock travel	200 mm
Tailstock taper	MT 6
Tailstock diameter	105 mm
Bed width	500 mm
Footprint L x D x H	5,400 x 2,300 x 2,100 mm
Weight	8,600 kg



SIEMENS
Touchscreen

ALSO AVAILABLE WITH
ProtoTRAK®

See page 16

XYZ XL and Oil Country Lathes.

The XYZ XL and Oil Country Lathes are heavy-duty machines built to handle the toughest of work for either chucking or between centre applications using the massive tailstock assembly. The solid ribbed cast construction with wide vee and flat bed ways offer excellent stability and rigidity. The powerful spindles sit in a headstock built using the highest quality gears and bearings. In combination, these features create one of the most capable and reliable ranges of large capacity lathes available in the UK.

XYZ XL 1100

SPINDLE 70 kW / (94HP)
 SWING OVER BED 1,100 mm
 SPINDLE BORE 160 mm (up to 420 mm opt)
 DISTANCE BETWEEN CENTRES 1M-6M
 SPINDLE SPEEDS RPM:
 H320-660, M 110-320, L 20-110

XYZ XL 1200

SPINDLE 70 kW / (94HP)
 SWING OVER BED 1,200 mm
 SPINDLE BORE 160 mm (up to 420 mm opt)
 DISTANCE BETWEEN CENTRES 1M-10M
 SPINDLE SPEEDS RPM:
 H200-600, L 20-300

XYZ XL 1500

SPINDLE 70 kW / (94HP)
 SWING OVER BED 1,500 mm
 SPINDLE BORE 160 mm (up to 420 mm opt)
 DISTANCE BETWEEN CENTRES 1M-10M
 SPINDLE SPEEDS RPM:
 H200-600, L 20-300

XYZ OIL COUNTRY

SPINDLE 63.3 kW / (85HP)
 1,000 mm 4 JAW CHUCK
 630 mm REAR 3 JAW CHUCK
 DISTANCE BETWEEN CENTRES 1M-10M
 310 mm or 420 mm SPINDLE BORE
 SPINDLE SPEEDS RPM:
 420 mm BORE H70-250, M 40-70, L 5-40.
 310 mm BORE H 200-400, M 100-200,
 L 20-100.



SIEMENS

Headstock

The Headstock is built using induction hardened and precision ground gears. Precision taper roller bearings and support journal bearings ensure spindle rigidity and concentricity. High pressure oil lubrication is provided to all gears and bearings via a pump and oil cooler ensuring thermal stability, quiet running and long life.

Control

We have chosen the 'Easy to program' Siemens 840D Conversational 'Shop Turn' Control as the standard control.

Swarf Management

All XYZ Oil Country and XL Lathes come as standard with swarf conveyor and bin.

Cast Bed & Base

This heavy machine comes with a massive one piece 544 mm wide bed with induction hardened and ground slides.

Tailstock

The massive tailstock with two clamp points prevents movement when machining components between centres.

The XYZ Oil Country and XL Lathe range feature a one-piece bed and base casting.

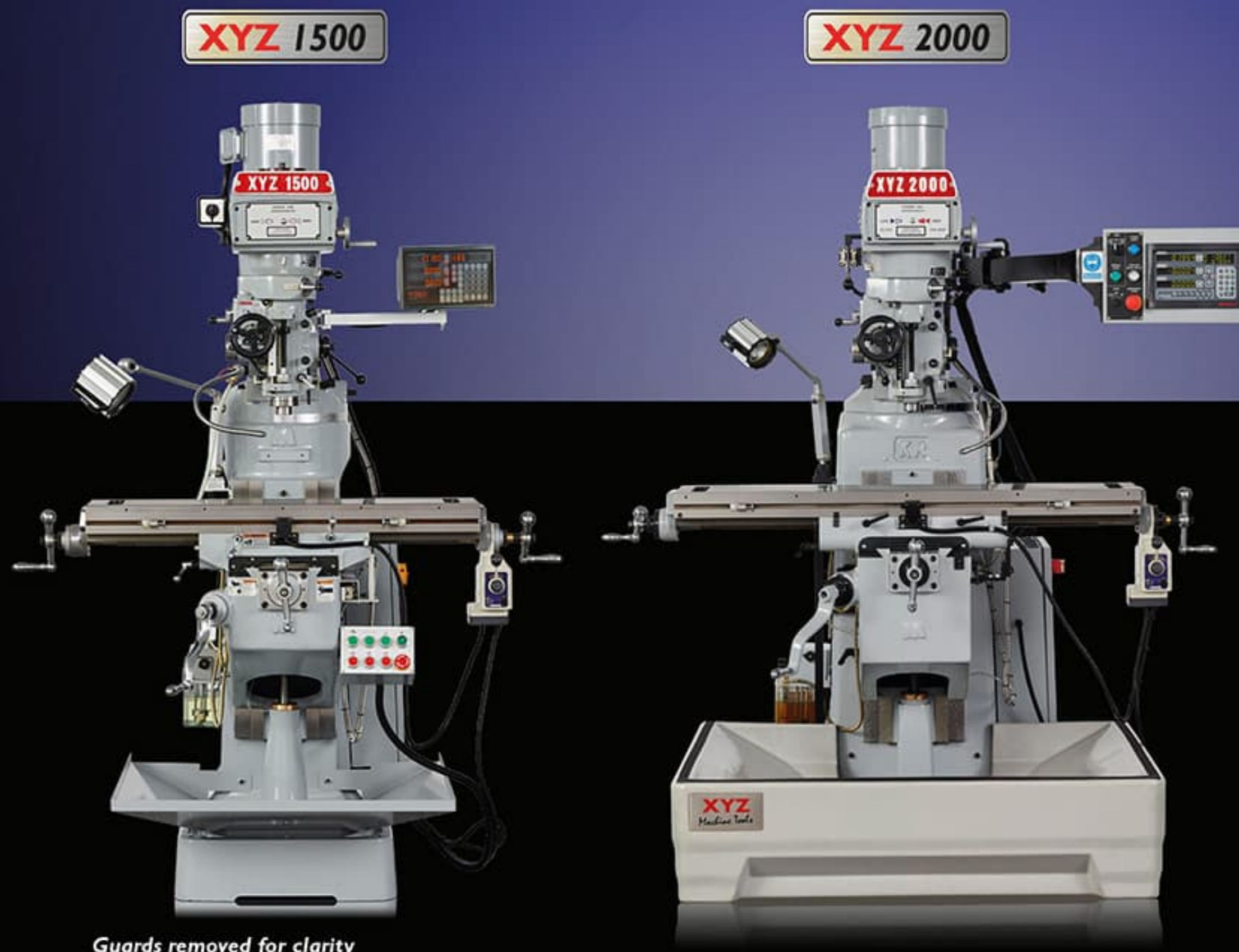
	XYZ XL 1100	XYZ XL 1200	XYZ XL 1500	XYZ OIL COUNTRY
Bed type	One piece bed and base	One piece bed and base	One piece bed and base	One piece bed and base
Swing over bed	1,100 mm	1,200 mm	1,500 mm	1,100 mm
Swing over cross slide	750 mm	830 mm	1,130 mm	750 mm
Cross slide travel	550 mm	750 mm	750 mm	638 mm
Distance between centres	1M - 6M	1M - 10M	1M - 10M	1.5M - 16M (Stock 3 metre)
Spindle bore standard <i>Larger available</i>	160 mm	160 mm	160 mm	420 mm
Spindle nose	A2-11	A2-11	A2-11	A2-28
Spindle taper	MT 15	MT 15	MT 15	MT 15
Spindle motor	70 kW / (94 HP) / max 37 kW / (50 HP) continuous	70 kW / (94 HP) max 37 kW / (50 HP) continuous	70 kW / (94 HP) max 37 kW / (50 HP) continuous	63.3 kW / (85 HP) continuous
Spindle speeds rpm <i>Based on standard spindle bore</i>	H 320-660 M 1,10-320 L 20-110	H 200-600 L 20-300	H 200-600 L 20-300	420 mm bore 310 mm bore H 70-250 H 200-400 M 40-70 M 100-200 L 5-40 L 20-100
Tailstock quill travel	300 mm	350 mm	350 mm	300 mm
Tailstock taper	MT6	MT6	MT6	MT6
Tailstock diameter	115 mm	125 mm	125 mm	115 mm
Bed width	533 mm	692 mm	692 mm	544 mm
Weight capacity				
Chuck only	1,000 kg	1,500 kg	1,500 kg	1,000 kg
Chuck and tailstock	4,000 kg	4,000 kg	4,000 kg	4,000 kg
Chuck, steady and tailstock	7,000 kg	6,000 kg	6,000 kg	7,000 kg
Footprint LxDxH Length based upon 1 metre between centres version <i>(add 1,000 mm for each extra metre of between centres distance)</i> <i>Add 1,100 mm to the length to allow for the standard swarf conveyor.</i>	Length 4,070 mm Depth 2,300 mm Height 2,200 mm	Length 4,280 mm Depth 2,500 mm Height 2,300 mm	Length 4,280 mm Depth 2,500 mm Height 2,400 mm	Length 5,700 mm Depth 2,300 mm Height 2,200 mm
Weight Based upon 1 metre between centres version	1 metre BC machine 8,000 kgs <i>(add 1,100 kgs per extra metre of between centres distance)</i>	1 metre BC machine 9,600 kgs <i>(add 1,400 kgs per extra metre of between centres distance)</i>	1 metre BC machine 10,000 kgs <i>(add 1,400 kgs per extra metre of between centres distance)</i>	1.5 metre BC machine 10,000 kgs <i>(add 1,400 kgs per extra metre of between centres distance)</i>

The **XYZ** range of manual mills.

Despite the advances of 'easy to use' CNC systems we still offer a complete range of Manual Machine Tools which are very popular with Training Organisations and Maintenance Shops etc. For those who have to operate within a more commercially competitive environment please see the ProtoTRAK® KMX and RMX Control and machines on pages 5 to 26 of the XYZ 2022 / 23 Milling Catalogue.

In the last 35 years XYZ have installed over 10,000 manual Turret Mills and Lathes in the UK, which have become synonymous with quality, reliability and value for money.

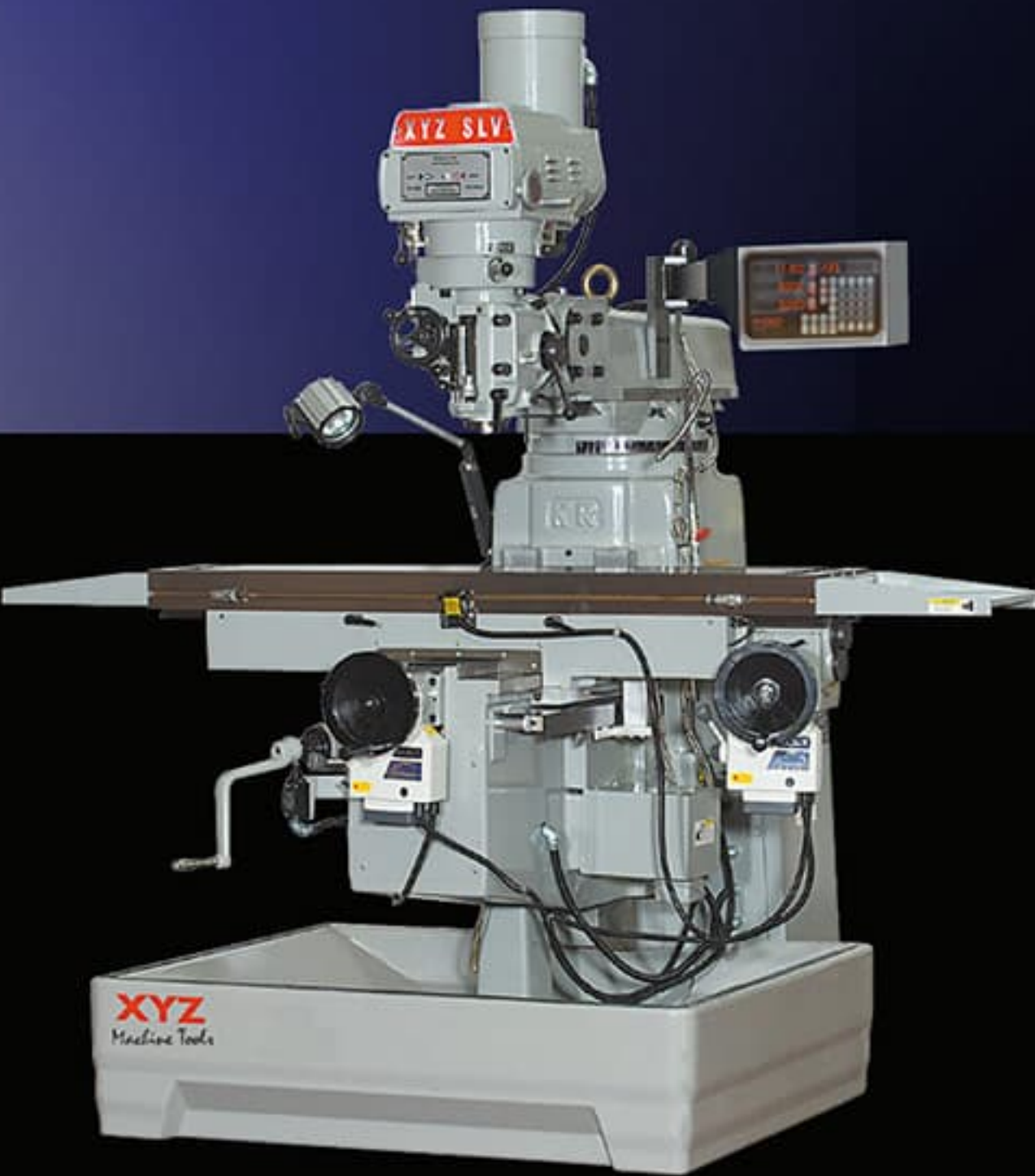
All XYZ manual machines are built of solid ribbed cast iron to provide unrivalled rigidity and stability and all are fitted with European bearings and electrical components to full CE approval.



Guards removed for clarity

For those who have to operate within a more commercially competitive environment please see the ProtoTRAK® KMX and RMX Control and machines on pages 5 to 26 of the Milling Catalogue.

XYZ SLV



	XYZ 1500	XYZ 2000	XYZ SLV
Digital readout	3 Axis standard	3 Axis standard	3 Axis standard
Spindle drive motor	2.25 kW / (3 HP)	2.25 kW / (3 HP)	3.75 kW / (5 HP)
Vari speed range - low/high	60 - 4,200 rpm	75 - 4,200 rpm	70 - 3,600 rpm
Table size	1,069 x 228 mm	1,270 x 254 mm	1,473 x 305 mm
T slots	15.9 mm 3 off	15.9 mm 3 off	15.9 mm 3 off
Longitudinal travel - X axis	660 mm	750 mm	1,000 mm
Cross travel - Y axis	285 mm	384 mm	410 mm
Knee vertical travel - Z axis	406 mm	406 mm	413 mm
Ram travel	305 mm	450 mm	450 mm
Spindle taper	R8 / 30 ISO optional	R8 / 30 ISO optional	40 ISO
Table Guard	Interlocked as standard	Included (interlocked optional)	Included (interlocked optional)

Standard Equipment

Powerfeed and Rapid in X Axis (Y axis as well on SLV).
Power Rise and Fall SLV only.
3 Axis Digital Readout.
Coolant.
Worklight.
Swarf Tray.
Table Guard.

Optional Equipment

Fibreglass Swarf Tray for XYZ 1500 (standard on XYZ 2000 and XYZ SLV).
Interlocked Swing and Slide Lexan Guard.
Air Power Drawbar.
Y axis Powerfeed XYZ 1500 and XYZ 2000 (standard on XYZ SLV).
Millstar DRO for Quill.
4th Axis DRO on Quill interlinked into Knee.
Riser Blocks.
Right Angled attachment.
Tooling.

The **XYZ** range of manual lathes.

XYZ I330 TRAINER

XYZ I340 TRAINER



XYZ I530 VS

XYZ I550 VS



For those who have to operate within a more commercially competitive environment please see the ProtoTRAK® RLX Control and machines on pages 5 to 16.

	XYZ 1330 Trainer Lathe	XYZ 1330VS Trainer Lathe	XYZ 1340 Trainer Lathe	XYZ 1340VS Trainer Lathe
Swing over bed	330 mm	330 mm	330 mm	330 mm
Swing in gap	495 mm (opt)	495 mm (opt)	495 mm (opt)	495 mm (opt)
Gap in front of face plate	150 mm (opt)	150 mm (opt)	150 mm (opt)	150 mm (opt)
Swing over cross slide	190 mm	190 mm	190 mm	190 mm
Distance between centres	750 mm	760 mm	1,000 mm	1,000 mm
Cross slide travel	190 mm	190 mm	190 mm	190 mm
Spindle motor	2.25 kW / (3HP)	2.25 kW / (3HP)	2.25 kW / (3HP)	2.25 kW / (3HP)
Spindle speed	53 - 2,000 rpm	40 - 2,500 rpm	53 - 2,000 rpm	40 - 2,500 rpm
Type of spindle nose	D 1-4	D 1-4	D 1-4	D 1-4
Main spindle bore	35 mm	35 mm	35 mm	35 mm

	XYZ 1530 VS	XYZ 1550 VS
Swing over bed	390 mm	390 mm
Swing in gap	610 mm	610 mm
Gap in front of face plate	150 mm	150 mm
Swing over cross slide	240 mm	240 mm
Distance between centres	750 mm	1,250 mm
Cross slide travel	230 mm	230 mm
Spindle motor	5.75 kW / (7.5HP)	5.75 kW / (7.5HP)
Spindle speed	18 - 2,500 rpm	18 - 2,500 rpm
Type of spindle nose	D 1-6	D 1-6
Main spindle bore	54 mm	54 mm

Standard Equipment

3 Jaw Self Centering Chuck.
Quick Change Toolpost 6 Holders.
Coolant.
Worklight.
Centres.
Interlocked Chuck Guard.
Toolpost Guard.
Electromagnetic Footbrake.
Geared or Vari - Speed Head.
Removable Swarf Tray.

Optional Equipment

4 Jaw Chuck.
Digital Readout.
Steadies.
Faceplates.
Collet Chuck.
Collets.
Taper Turning Attachment.
4 / 5 Position Bed Stop.
GAP Bed (standard on XYZ 1500 series lathes).

The **XYZ** range of grinders.

LARGER GRINDERS AVAILABLE

XYZ 1020



XYZ 4060



Standard Equipment

Electro Magnetic Chuck.
Demagnetiser.
Coolant.
Dust Extraction.
Worklight.
Wheel Dresser.

Optional Equipment

Digital Readout.
Filter Coolant Systems.
Manual Overhead Wheel Dresser.
Automatic Incremental NC Down-feed.

	XYZ 1020	XYZ 1224	XYZ 1632	XYZ 2040	XYZ 2060	XYZ 2480	XYZ 4060
Table/magnetic chuck size	250 x 500 mm	304 x 609 mm	406 x 812 mm	500 x 1,050 mm	500 x 1,524 mm	600 x 2,000 mm	1,000 x 1,500mm
Max grinding length - longitudinal	500 mm	609 mm	860 mm	1,050 mm	1,050 mm	2,000 mm	1,500 mm
Max grinding width - cross	250 mm	304 mm	406 mm	550 mm	550 mm	600 mm	1,000 mm
Max distance from table surface to spindle centre	500 mm	508 mm	558 mm	600 mm	600 mm	600 mm	800 mm
Longitudinal travel - hydraulic	558 mm	660 mm	860 mm	1,100 mm	1,100 mm	2,150 mm	1,600 mm
Longitudinal travel - variable	5 - 25 M/min	5 - 25 M/min	5 - 25 M/min	5 - 25 M/min	5 - 25 M/min	5 - 25 M/min	3 - 25 M/min
Cross travel - automatic increment	0.15 mm - 15 mm	0.1 mm - 10 mm	0.1 mm - 10 mm	1 mm - 20 mm	1 mm - 20 mm	0.5 mm - 20 mm	0.1 mm - 15 mm
Cross travel - automatic travel	250 mm	304 mm	406 mm	550 mm	550 mm	660 mm	1,050 mm
Cross feed handwheel - per revolution	4 mm	5 mm	5 mm	5 mm	5 mm	5 mm	5 mm
Cross feed handwheel - per graduation	0.02 mm	0.02 mm	0.02 mm	0.02 mm	0.02 mm	0.02 mm	0.02 mm
Down feed handwheel - per revolution	2 mm	2 mm	2 mm	2 mm	2 mm	min. 0.1 mm-MPG	min. 0.1 mm-MPG
Down feed handwheel - per graduation	0.01 mm	0.01 mm	0.005 mm	0.005 mm	0.005 mm	min. 0.001 mm-MPG	min. 0.001 mm-MPG
Spindle motor - speeds	3,000 rpm	3,000 rpm	3,000 rpm	1,450 rpm	1,450 rpm	1,450 rpm	1,450 rpm
Spindle motor - power ratings	1.5 kW / (2 HP)	3.75 kW / (5 HP)	3.75 kW / (5 HP)	7.45 kW / (10 HP)	7.45 kW / (10 HP)	7.45 kW / (10 HP)	7.45 kW / (10 HP)
Hydraulic motor - power ratings	0.75 kW / (1 HP)	0.75 kW / (1 HP)	0.75 kW / (1 HP)	2.25 kW / (3 HP)	2.25 kW / (3 HP)	3.75 kW / (5 HP)	5.75 kW / (7.5 HP)
Standard grind wheel - diameter	180 mm	355 mm	355 mm	355 mm	355 mm	405 mm	405 mm
Standard grind wheel - width	12 mm max 19 mm	38 mm	50.8 mm	38 mm	38 mm	20 mm max 50 mm	20 mm max 50 mm
Standard grind wheel - bore	31.75 mm	127 mm	127 mm	127 mm	127 mm	127 mm	127 mm
Weight	1,550 kg	1,700 kg	2,300 kg	5,700 kg	7,200 kg	8,700 kg	13,800 kg

Small machines and tooling. Download the latest Tooling Guide from the website at <http://spares.xyzmachinetools.com>

XYZ FASTTAP



Fast Tap makes light work of:

- Reaming.
- Chamfering.
- Countersinking.
- Spot Facing.
- Helicoil Insertion.
- Stud Making.
- Assembly work - screw & nut driving.

Vertical and horizontal tapping, with M24 max capacity in aluminium and steel.

XYZ FASTTAP	FT 1000	FT 800	FT 400	FT 200	FT 90
Max capacity - steel	M6	M10	M12	M16	M24
Max capacity - aluminium	M8	M12	M14	M24	M12
Speed (no load)	1,000 rpm	700 rpm	300 rpm	250/800 rpm	90/250 rpm
Air pressure flow	90 psi	90 psi	90 psi	90 psi	90 psi
Noise max	85.0 dBA	85.1 dBA	84.2 dBA	84.1 dBA	84.1 dBA

XYZ 260

HORIZONTAL BANDSAW.

- Vertical guide arms carrying carbide faced guides.
- Fast & accurate blade tensioning.
- Standard blade size 25 x 3,300 mm.
- Conveniently placed controls.
- 90° - 45° mitering.



	XYZ 260
Cutting capacity	260 mm Round Bar
Motor	1.5 kW / (2HP)
Blade speeds	21, 34, 43, 60 M/min
Blade size	25 x 0.9 x 3,300 mm
Machine size LxDxH	1,680 x 737 x 1,050 mm
Packing size	1,730 x 760 x 1,130 mm
Net weight	390 kg

XYZ FOR EDUCATION



XYZ Machine Tools' education team is focussed on providing UK colleges, universities, private training establishments and research centres with competitively priced manual and CNC machine tools, as well as a package of service and support exclusive to the sector.

XYZ for Education is our commitment to the UK's education sector through which we offer any organisation involved in the education of the next generation of engineers special pricing on the full range of XYZ products. In addition XYZ has developed a variety of training programmes aimed at the education sector. This combination ensures that training centres are able to deliver the correct training, using techniques and machines that trainees will encounter in the industry, with the educators kept fully up to date with changes in machine tool development and application.

XYZ for Education is for everyone involved in education and will benefit Bursars, Teachers, Technicians and Students. With this program XYZ is actively helping to develop the engineers of tomorrow... today.

To get your copy of the XYZ for Education brochure please call 01823 674200.



ProtoTRAK[®]
SIEMENS



XYZ CERATIZIT TOOLING VOUCHERS.

XYZ Ceratizit Tooling Vouchers are available to purchase from XYZ giving additional discount. The tooling voucher can also be added to your capital purchase.

XYZ Ceratizit Tooling Vouchers are available from £500 upwards.



Terms and Conditions

All details contained within this catalogue are accurate at the time of going to press, but please be aware that XYZ Machine Tools Ltd has a policy of continuous development. Because of this some details may be subject to change without prior notice. Please be sure to confirm all specifications and details prior to ordering.

XYZ MACHINE TOOLS LIMITED TERMS AND CONDITIONS OF SALE

Please read this document carefully as all goods sold by XYZ Machine Tools Limited will be supplied subject to these terms and conditions of sale.

1. Definitions

1.1 In these terms and conditions, the following definitions shall apply:

"Company" means XYZ Machine Tools Limited (company number 1765883) whose registered office is at Woodlands Business Park, Burescombe, Tiverton, Devon, EX16 7LL.

"Purchaser" means the person, firm or company placing an order for Goods.

"Goods" means the goods described in the Confirmed Order.

"Confirmed Order" means an order for the Goods as confirmed by the Company under clause 3.4

"Due Date" means the date referred to in clause 6.1.

1.2 Any reference in these terms and conditions to any provision of a statute shall be construed as a reference to that provision as amended, re-enacted or extended at the relevant time.

2. Contract

2.1 These terms and conditions apply to all contracts for the sale of Goods by the Company to the Purchaser. No variation will be effective unless agreed in writing by a director of the Company.

2.2 The Company's employees or agents are not authorised to make any representations concerning the Goods unless confirmed by the Company in writing. Any advice or recommendation given by the Company or its employees or agents to the Purchaser which is not confirmed in writing is followed or acted upon entirely at the Purchaser's own risk.

2.3 The descriptions and illustrations contained in the Company's catalogues, price lists, specifications and other advertisement matter are intended merely as an indication of the type of goods described therein and none of the above shall form part of any contract with the Purchaser.

3. Order and Acceptance

3.1 The Company will provide the Purchaser with a written quotation for the Goods. Any order made by the Purchaser against such quotation constitutes an offer by the Purchaser to buy the Goods.

3.2 The Purchaser shall be responsible to the Company for the accuracy of any information contained in its order.

3.3 Any Goods from stock are subject to availability at the time an order is submitted by the Purchaser.

3.4 No order submitted by the Purchaser shall be deemed to be accepted by the Company unless and until confirmed in writing by the Company.

3.5 The quantity and description of the Goods shall be as specified in, or referred to, in the Confirmed Order.

3.6 No Confirmed Order may be cancelled by the Purchaser except with the agreement in writing of the Company and on terms that the Purchaser shall indemnify the Company in full against all costs (including the cost of all labour and materials used), damages, charges and expenses incurred by the Company as a result of cancellation.

3.7 A separate contract shall arise in respect of each Confirmed Order.

4. Price of the Goods

4.1 The price for the Goods shall be the price set out in or referred to in the Confirmed Order (or, in the case of any error or omission, as subsequently notified by the Company to the Purchaser) provided the Company may increase the price for any reason under clause 6.2.

4.2 The price is exclusive of Value Added Tax.

4.3 The price is exclusive of delivery charges. If the Purchaser requires delivery of the Goods the Company reserves the right to add to the price the cost of any packaging, carriage and/or insurance.

4.4 The price is exclusive of any duties, imposts and levies. The price for any imported parts incorporated in the Goods may be subject to fluctuation and the Purchaser agrees that any Confirmed Order is based on the current rate of import duty and rate of exchange at the time of the Confirmed Order unless otherwise specified.

4.5 Unless otherwise agreed in writing, payment shall be made in pounds sterling, and if the price for the Goods is quoted by the Company in a currency other than pounds sterling payment shall be calculated at the rate of exchange at the time of the Confirmed Order.

5. Delivery

5.1 The Company will use reasonable endeavours to deliver on any date indicated in the Confirmed Order for the delivery of Goods but delivery dates should be regarded as approximate only and delivery time shall not be of the essence of the contract.

5.2 Delivery shall take place when the Company notifies the Purchaser that the Goods are ready for collection from the Company's premises unless the Purchaser has required the Company to make delivery at the Purchaser's premises in which case delivery shall take place when the Goods are delivered to such premises and off loaded from the transporting vehicle.

6. Terms of Payment

6.1 Payment for the Goods shall be made by the Purchaser to the Company immediately upon delivery of the Goods or, if otherwise agreed between the Company and the Purchaser, within 30 days after the end of the month of despatch by the Company of an invoice for the Goods.

6.2 If the Company is unable to effect delivery or despatch the Goods by reason of the Purchaser failing to take delivery of the Goods or by reason of the Purchaser's instructions or lack of instructions the Company shall be entitled to notify the Purchaser that the Goods are ready for delivery or despatch and to add to its invoice reasonable additional carriage for insurance and/or storage costs resulting from the delay in delivery or despatch of the Goods.

6.3 Time for payment shall be of the essence.

6.4 If the Purchaser fails to make any payment on the Due Date then, without prejudice to any other right or remedy available to the Company, and without incurring any liability for any loss or damage caused to the Purchaser, the Company shall be entitled to:

a. cancel any Confirmed Order and/or suspend any further deliveries of goods to the Purchaser;

b. appropriate any payment made by the Purchaser to such of the Goods (or goods supplied under any other contract between the Company and the Purchaser) as the Company may think fit; and

c. charge the Purchaser interest (both before and after judgement) on the amount unpaid at the rate of 6 per cent per annum above the base rate of HSBC Bank plc from time to time or the statutory rate applicable under The Late Payments of Commercial Debts (Interest) Act 1998 as amended (whichever is greater), in either case such interest to accrue on a daily basis from the Due Date until the date of actual payment.

7 Risk and Property

7.1 The risk of damage to or loss of the Goods shall pass to the Purchaser at the time of delivery or, if the Purchaser fails to take delivery of the Goods, at the time when the Company has tendered delivery of the Goods.

7.2 Notwithstanding delivery and the passing of risk in the Goods or any other provision of these terms and conditions the property in the Goods shall not pass to the Purchaser until the Company has received in cash or in cleared funds:

a. payment in full of the price of the Goods, and

b. payment in full for all other goods agreed to be sold by the Company to the Purchaser for which payment is then due or accruing due.

7.3 Until such time as the property in the Goods passes to the Purchaser:

a. the Purchaser shall hold the Goods as the Company's fiduciary agent and bailee and shall keep the Goods properly stored and insured for the Company's benefit and identified as the Company's property; and

b. the Company shall be entitled at any time to require the Purchaser to deliver up the Goods to the Company and if the Purchaser fails to do so the Company, its employees and/or its agents may forthwith enter upon any premises of the Purchaser or any third party where the Goods are stored and repossess the Goods; and

c. the Purchaser shall afford the Company inspection of any documents relating to such Goods for the purpose of tracing them.

7.4 The Purchaser shall not be entitled to pledge, or purport to pledge or in any way charge or purport to charge by way of security for any indebtedness, any of the Goods which remain the property of the Company.

8 Acceptance of Goods

The Purchaser shall be responsible for inspecting the Goods:

a. where they are collected by the Purchaser (or its agent) from the Company's premises, at the time of collection; or

b. where they are delivered to the Purchaser's premises, within 3 working days of delivery and shall at the relevant time notify the Company if the Purchaser shall consider the Goods to be in any way damaged, unsatisfactory or otherwise not in conformity with the contract. In the absence of such notification the Purchaser shall be deemed to have accepted the Goods.

9. Warranty

9.1 Subject to the conditions of this clause and of clause 10 the Company warrants that Goods will at their time of acceptance under Clause 8, remain free from defects in material and workmanship for the shorter of a period of 12 months or for 2000 hours of use.

9.2 The above warranty is given by the Company subject to the following conditions:

a. the Company shall be under no liability in respect of any defect arising from wilful damage, negligence, failure to follow the Company's instructions, misuse, alteration to the Goods (including by the removal of any guard or cover) or repair of the Goods in each case by the Purchaser, its employees or agents;

b. that it does not extend to parts, materials or equipment not manufactured by the Company, in respect of which the Purchaser shall only be entitled to the benefit of any warranty or guarantee given by the relevant manufacturer;

c. the Company shall be under no liability if full payment for any of the Goods has not been made by the Due Date.

9.3 Subject as expressly provided in these terms and conditions and except where the Goods are sold to a person dealing as a consumer (within the meaning of the Unfair Contract Terms Act 1977) all warranties and conditions or other terms implied by statute or common law are excluded to the fullest extent permitted by law. Where Goods are sold to a consumer the statutory rights of the consumer are not affected by these terms and conditions.

9.4 Without prejudice to clause 9.2 (b) any claim made by the Purchaser which is based on any defect in the quality or condition of the Goods shall be notified to the Company in writing within 14 days from the date on which the defect or failure became apparent. Where such a claim is notified to the Company, the Company shall be given the opportunity of remedying the defect or failure and supplying (where necessary) replacement parts and completion of such remedial work shall constitute fulfilment of the Company's obligations under the contract. Remedial work and replacement parts will be provided free of charge, provided the Purchaser at its own cost returns to the Company the relevant Goods.

9.5 Without prejudice to clause 9.4 the Company at its sole discretion shall be entitled to refund the Purchaser the price of the Goods and shall have no further liability to the Purchaser under the contract.

9.6 Except in respect of death or personal injury caused by the negligence of the Company the total liability of the Company to the Purchaser under this contract shall not exceed the price of the Goods.

9.7 Except in respect of death or personal injury caused by the negligence of the Company, the Company shall not be liable to the Purchaser by reason of any representation (unless fraudulent), warranty, condition or other term of the contract for any loss or damage (whether for loss of profit or goodwill), for consequential loss which arise out of or in connection with the supply of the Goods.

9.8 The Company shall not be liable to the Purchaser or be deemed to be in breach of the contract by reason of any delay in performing or any failure to perform the Company's obligations in relation to the Goods if the delay or failure was due to any cause beyond the Company's reasonable control. Without prejudice to the generality of the foregoing, the following shall be regarded as causes beyond the Company's reasonable control:

a. act of God, explosion, flood, tempest, fire or accident;

b. war or threat of war, sabotage, insurrection, civil disturbance;

c. acts, restrictions, regulations, byelaws, prohibitions or measures of any kind on the part of any governmental, parliamentary or local authority;

d. import or export embargoes;

e. strikes, lock outs, or any other industrial actions or trade disputes (whether involving employees of the Company or a third party);

f. difficulty in obtaining labour, fuel, parts or Goods from their manufacturer.

10. Acknowledgements by the Purchaser

Without prejudice to clause 9.2 (a) the Purchaser acknowledges by placing an order for the Goods:

a. that if the Goods are incorrectly installed the Goods may cause serious danger to persons and property and that the Purchaser accepts responsibility for the proper installation of the Goods; and

b. the Purchaser must use the Goods in a safe manner and comply with all applicable health and safety laws and regulations when instructing its employees or agents in the use of the Goods; and

c. that it has read these terms and conditions and that it considers these terms and conditions are reasonable.

11 Indemnity

11.1 Certain component parts incorporated into the Goods may have intellectual property rights belonging to their original manufacturer and may not be reproduced, altered or used in any way without the written permission of the manufacturer.

11.2 The Purchaser will indemnify the Company and keep it indemnified against all damages, penalties, costs and expenses for which the Company becomes liable as a result of third party claims or demands made against the Company as a result of the failure of the Purchaser to comply with any of its obligations under the contract.

12 Notices

Any notice under the contract shall be properly given in writing and sent by first class post or facsimile transmission or by electronic mail to the address of the intended recipient as stated in the contract or to such address as the Company and the Purchaser from time to time communicate to each other as their respective addresses for service and shall be deemed served, in the case of postal notice, on the expiry of 24 hours from time of posting or, if by facsimile transmission or electronic mail, at the time of transmission provided that a facsimile or electronic mail confirmatory receipt is obtained by the sender.

13 General

13.1 If any provision of these terms and conditions is held by any competent authority to be invalid or unenforceable in whole or in part the validity of the other provisions of these terms and conditions and the remainder of the provision in question shall not be affected thereby.

13.2 These terms and conditions and any contract incorporating them shall be governed by and construed in accordance with English Law and all disputes hereunder shall be submitted to the non-exclusive jurisdiction of the English courts.

14 Non-transferable

14.1 The Purchaser's rights and obligations under this contract shall not be transferred or assigned directly or indirectly either in part or whole to any third party without the prior written consent of the Company.

14.2 Unless otherwise agreed between the Company and the Purchaser a person who is not party to this contract has no right under the Contracts (Rights of Third Parties) Act 1999 to enforce any terms of this contract but this does not affect any right or remedy of a third party which exists or is available apart from that Act.

15 Termination

Without prejudice to clause 6.4 the Company shall be entitled to cancel the contract with the Purchaser in the following circumstances:

a. if a petition is presented for the winding up, administration or bankruptcy of the Purchaser, if the Purchaser has a receiver appointed in respect of its assets or any other insolvency proceedings are commenced by or against it;

b. if any distress or execution is levied upon the Purchaser, its property or assets;

c. if the Purchaser ceases, or threatens to cease to carry on business;

d. if the Company reasonably apprehends that any of the events mentioned in clauses (a)-(c) above are about to occur in relation to the Purchaser and notifies the Purchaser accordingly; in each case without incurring any liability for any loss or damage caused to the Purchaser and without prejudice to the Company's rights to payment under clauses 3, 6 and 11.2.

XYZ Machine Tools

XYZ across the UK

XYZ DEVON Main Factory and Administration
Woodlands Business Park, Burlescombe,
Tiverton, Devon. EX16 7LL

XYZ NUNEATON TECHNICAL CENTRE
5/6 Tungsten Court, Hemdale Business Park,
Nuneaton. CV11 6GZ

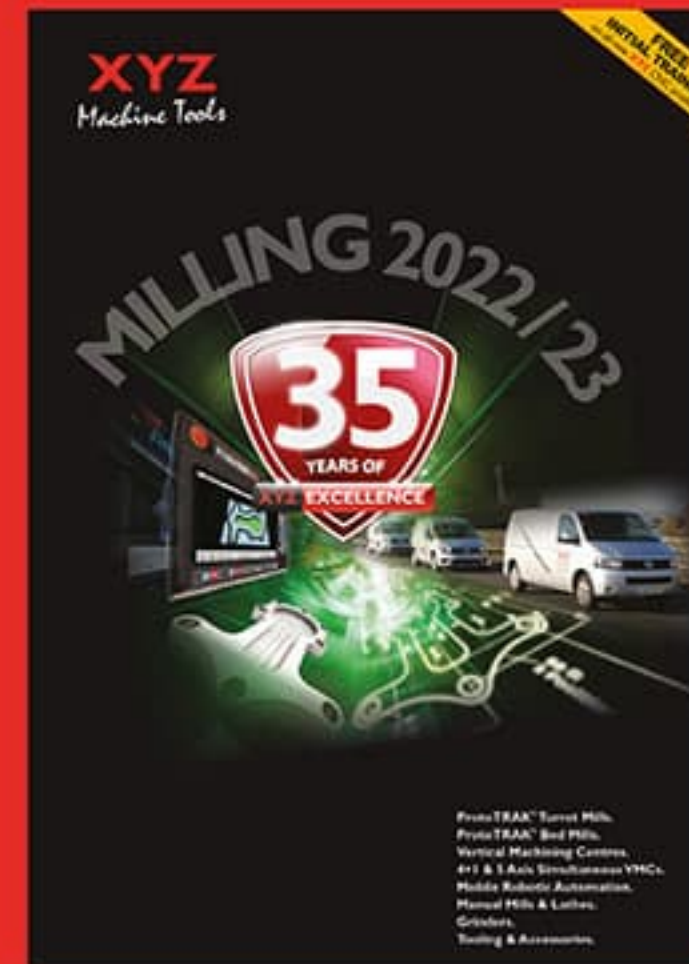
XYZ SHEFFIELD (Ceratizit Showroom)
Advanced Manufacturing Park, Unit 15, Whittle Way,
Sheffield. S60 5BL

XYZ LONDON
944 Yeovil Road, Slough Trading Estate,
Slough. SL1 4NH

XYZ HUDDERSFIELD
Open Jan '22. Innovation 25, Unit 7, Bradley Business Park,
Dyson Wood Way, Huddersfield. HD2 1GN



The XYZ MILLING 2022 / 23 Catalogue



Get the latest XYZ MILLING 2022 / 23 Catalogue featuring the new touchscreen ProtoTRAK® controls and the best selling XYZ LRVMC range.

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.

Call us on 01823 674200 to request your copy.



Follow us:



Tel: 01823 674200 www.xyzmachinetools.com Email: sales@xyzmachinetools.com