



The UK's largest supplier of CNC Machine Tools



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 existing, every customer pays the same.
 Our pricing policy is simple and straightforward. XYZ promises that everyone gets our best price, automatically, every time.

Proven quality and reliability for over 40 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 dispatch



2024 celebrates 40 years of XYZ being in business. I am very proud of how the business has developed over those 40 years. We have a very diverse and interesting range of models backed by a team of over 90 customer focused individuals who really care about the customers, the machines we sell and the company. We are the number one supplier of CNC machines into the UK market by volume. I believe that keeping customer focus has been instrumental in our growth and I'm sure it will continue long into the future.

N Atherton
 Nigel Atherton
 FOUNDER AND CEO





FREE INITIAL TRAINING
on all new XYZ CNC products

Here at XYZ we have been developing, testing and refining our range of machine tools for 40 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.



THE CONTROLS

ProtoTRAK® **SIEMENS** **HEIDENHAIN**

At XYZ Machine Tools we know how important it is for efficient production to have a powerful CNC control that is both easy to program and also to set up and operate.

We pride ourselves on providing 'the best solution to your production requirements'.

After fitting many of the leading CNC controls over the last 40 years with extensive testing and deliberation, we now offer our most conversational & easy-to-use systems, ProtoTRAK® Siemens & Heidenhain.

Get more profit from your labour costs with

ProtoTRAK®

The easy-to-use CNC Control



Go from a simple hand-drawn idea as shown, to a finished component in only 20 minutes.

No previous CNC experience required.



Book the ProtoTRAK® 30 minute Desktop Office Demo.

Book a **Desktop Demo** in the comfort of your own office, or a **Machine Tool Demo** at any of the 6 XYZ UK Showrooms.



Popular ways to program the ProtoTRAK® control

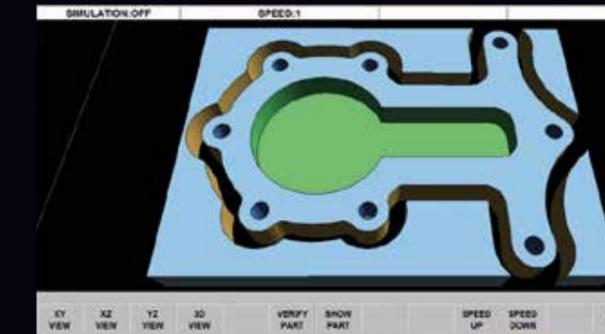
Manual Programming

If you want to program on the machine, no problem. Our controls offer the latest, state-of-the-art, conversational programming. With easy menu driven cycles, complex 2D profiling with minimal dimensions and modern cutting strategies, your component will be machined in minutes.



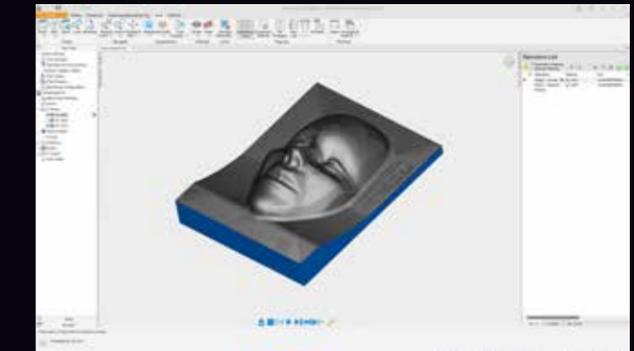
DXF Files

Do you receive component drawings electronically in DXF format? It's a cinch to convert these to running programs quickly and efficiently using our ProtoTRAK® DXF Converter or Siemens CAD Reader.

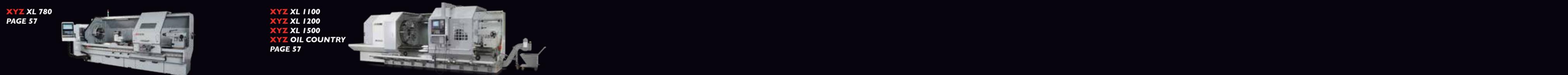
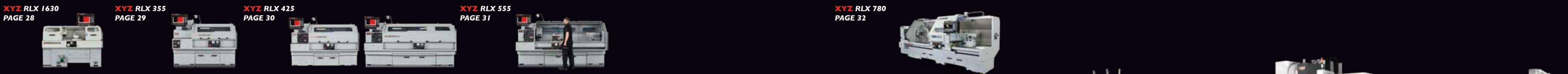


CAD/CAM Files

Need to machine complex surfaces from solid model files? Our ProtoTRAK® and Siemens controls offer all the on-board tools you need to run your CAD/CAM generated files safely and efficiently. From the ability to simulate, ease of loading/set up & the ability to track through the programs, your CAD/CAM files will be in production in no time.



INITIAL FREE TRAINING on all new XYZ CNC products



See how XYZ Service and Support will ensure the long term health of your XYZ Machine Tools.
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ProtoTRAK® KMX TURRET MILLS

The ProtoTRAK® KMX is the entry level CNC control. ProtoTRAK® originally launched in the UK in 1993 and revolutionised machine shops, filling the gap between manual machines and full CNC machines. The simplicity of use has been key and there are literally 1,000's of ProtoTRAK® Turret Mills being used daily in the UK.



Specification	XYZ KMX 1500	XYZ KMX 2000	XYZ KMX SLV
Spindle	2.25kW (3 hp)	2.25kW (3hp)	3.75kW (5hp)
Spindle Speeds	50 - 3,500 rpm	60 - 4,200 rpm	70 - 3,600 rpm
Speed Ranges 2 Ranges	(50 - 400 & 420 - 3,500 rpm)	(60 - 500 & 500 - 4,200 rpm)	(70 - 460 & 500 - 3,600 rpm)
Table Size	1,069 x 228mm	1,270 x 254mm	1,473 x 305mm
T Slot Size	16mm	16mm	16mm
T Slots	3 off	3 off	3 off
X Axis Table Travel	595mm	745mm	1,000mm
Y Axis Table Travel	300mm	370mm	396mm
Knee Vertical Travel	358mm	406mm	394mm - Powered
Slideway Type	Hardened Way	Hardened Chrome	Hardened & Ground Boxway
Ram Travel	390mm	450mm	450mm
Spindle Taper	R8 (ISO30 Optional)	R8 (ISO30 Optional)	ISO40
Quill Power Feeds	.038 .076 .15mm	.038 .076 .15mm	.038 .076 .15mm
Quill Travel	127mm	127mm	127mm
Quill Diameter	86mm	86mm	105mm
Max Table Load	350 kg	350 kg	580 kg
Swivel on Turret	360°	360°	360°
Head Tilt Front to Back	+45°/ -45°	+45°/ -45°	+45°/ -45°
Head Tilt Left to Right	+90°/ -90°	+90° / -90°	+90° / -90°
Max Throat Depth	686mm	686mm	700mm
Machine Weight	1,250kg	1,350kg	1,850kg

For full machine specifications please visit our website. Some specifications may change depending on options.

This is the best starting place for those keen to take advantage of CNC milling with the minimum of outlay.

The **XYZ KMX 1500** is our smallest CNC Turret Mill, the same size as the manual Bridgeport Turret Mill that was used in many shops until companies discovered ProtoTRAK®.

XYZ KMX 1500

ProtoTRAK®



Guards removed for clarity

Standard Equipment

- Vari Speed 2 Range Head.
- 3 Axis DRO.
- 2 Axis CNC.
- Verify Solid Model Graphics.
- Precision Ground Ballscrews.
- Coolant.
- Work Light.
- Auto Lubrication.
- Steel Swarf Tray.
- Interlocked Guarding.

Optional Equipment

- TRAKing®.
- Riser Blocks.
- Air Power Drawbar.
- 4th Axis DRO.
- Offline Software.
- Tooling, Vices etc.
- Parasolid Converter.
- DXF Converter.
- Millstar (Quill DRO).

Specification	XYZ KMX 1500
Spindle	2.25 kW (3 hp)
Spindle Speeds	50 - 3,500 rpm
Speed Ranges	2 Ranges (50 - 400 & 420 - 3,500 rpm)
Table Size	1,069 x 228mm
T Slot Size	16mm
T Slots	3 off
X Axis Table Travel	595mm
Y Axis Table Travel	300mm
Knee Vertical Travel	358mm
Slideway Type	Hardened Way
Ram Travel	390mm
Spindle Taper	R8 (ISO30 Optional)
Quill Power Feeds	.038 .076 .15mm
Quill Travel	127mm
Quill Diameter	86mm
Max Table Load	350kg
Swivel on Turret	360°
Head Tilt Front to Back	+45°/ -45°
Head Tilt Left to Right	+90°/ -90°
Max Throat Depth	686mm
Machine Weight	1,250kg

The KMX 2000 is our best-selling Turret Mill.

The **XYZ KMX 2000** is our mid size and best selling CNC Turret Mill offering extra travel over the XYZ KMX 1500 in X, Y & Z and is ideal for most engineering workshops.

XYZ KMX 2000

ProtoTRAK®



Guards removed for clarity

Standard Equipment

- Vari Speed 2 Range Head.
- Chrome Slides.
- 3 Axis DRO.
- 2 Axis CNC.
- Verify Solid Model Graphics.
- Precision Ground Ballscrews.
- Coolant.
- Work Light.
- Auto Lubrication.
- Fibreglass Swarf Tray.
- Interlocked Guarding.

Optional Equipment

- TRAKing®.
- Riser Blocks.
- Air Power Drawbar.
- 4th Axis DRO.
- Offline Software.
- Tooling, Vices etc.
- Parasolid Converter.
- DXF Converter.
- Millstar (Quill DRO).

Specification	XYZ KMX 2000
Spindle	2.25kW (3hp)
Spindle Speeds	60 - 4,200 rpm
Speed Ranges	2 Ranges (60 - 500 & 500 - 4,200 rpm)
Table Size	1,270 x 254mm
T Slot Size	16mm
T Slots	3 off
X Axis Table Travel	745mm
Y Axis Table Travel	370mm
Knee Vertical Travel	406mm
Slideway Type	Hardened Chrome
Ram Travel	450mm
Spindle Taper	R8 (ISO30 Optional)
Quill Power Feeds	.038 .076 .15mm
Quill Travel	127mm
Quill Diameter	86mm
Max Table Load	350kg
Swivel on Turret	360°
Head Tilt Front to Back	+45° / -45°
Head Tilt Left to Right	+90° / -90°
Max Throat Depth	686mm
Machine Weight	1,350kg

The KMX SLV is the biggest Turret Mill in our range.

With a 1,000mm travel in X, the **XYZ KMX SLV** is a machine with probably the largest work envelope of any Turret Mill and is ideal for subcontractors who don't know the type or size of the next job coming in.

XYZ KMX SLV

ProtoTRAK®



Guards removed for clarity

Standard Equipment

- Vari Speed 2 Range Head.
- Hardened Box Way.
- 3 Axis DRO.
- 2 Axis CNC.
- Verify Solid Model Graphics.
- Precision Ground Ballscrews.
- Coolant.
- Work Light.
- Power Rise & Fall to Knee.
- Auto Lubrication.
- Fibreglass Swarf Tray.
- Interlocked Guarding.

Optional Equipment

- TRAKing®.
- Riser Blocks.
- Air Power Drawbar.
- 4th Axis DRO.
- Offline Software.
- Tooling, Vices etc.
- Parasolid Converter.
- DXF Converter.
- Millstar (Quill DRO).

Specification	XYZ KMX SLV
Spindle	3.75kW (5hp)
Spindle Speeds	70 - 3,600 rpm
Speed Ranges	2 ranges (70 - 460 & 500 - 3,600 rpm)
Table Size	1,473 x 305mm
T Slot Size	16mm
T Slots	3 off
X Axis Table Travel	1,000mm
Y Axis Table Travel	396mm
Knee Vertical Travel	394mm - Powered
Slideway Type	Hardened & Ground Boxway
Ram Travel	450mm
Spindle Taper	ISO40
Quill Power Feeds	.038 .076 .15mm
Quill Travel	127mm
Quill Diameter	105mm
Max Table Load	580kg
Swivel on Turret	360°
Head Tilt Front to Back	+45° / -45°
Head Tilt Left to Right	+90° / -90°
Max Throat Depth	700mm
Machine Weight	1,850kg

ProtoTRAK[®] RMX BED MILLS

If you need a larger capacity or more rigidity than a Turret Mill, the 4 machine range of Bed Mills with travels of up to 1,500mm offers the perfect solution. With the touchscreen ProtoTRAK[®] RMX you have great CNC power at your fingertips. The open architecture gives masses of capacity.

XYZ RMX 2500
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XYZ RMX 3500
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XYZ RMX 4000
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XYZ RMX 5000
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Specification	XYZ RMX 2500	XYZ RMX 3500	XYZ RMX 4000	XYZ RMX 5000
Spindle	2.25kW (3hp)	3.75kW (5hp)	5.75kW (7.5hp)	5.75kW (7.5hp)
Spindle Speeds	40 - 4,200 rpm	40 - 5,000 rpm	40 - 5,000 rpm	40 - 5,000 rpm
2 Speed Ranges	40-600 & 300-4,200 rpm	40-600 & 300-5,000 rpm	40-600 & 300-5,000 rpm	40-600 & 300-5,000 rpm
Table Size	1,245 x 228mm	1,370 x 355mm	1,474 x 355mm	1,930 x 355mm
T Slot Size	16mm	16mm	16mm	16mm
T Slots	3 off	4 off	4 off	4 off
X Axis Table Travel	780mm	750mm	1,060mm	1,500mm
Y Axis Table Travel	381mm	480mm	596mm	596mm
Head Vertical Travel	550mm	510mm	520mm	520mm
Spindle Taper	R8 (ISO30 Optional)	ISO40	ISO40	ISO40
Quill Power Feeds	.038 .076 .15mm	.038 .076 .15mm	.038 .076 .15mm	.038 .076 .15mm
Quill Travel	127mm	127mm	140mm	140mm
Quill Diameter	85.7mm	105mm	116mm	116mm
Max Table Load	600kg	600kg	850kg	850kg
Head Tilt Left to Right	+45° / -45°	+45° / -45°	+45° / -45°	+45° / -45°
Max Throat Depth	460mm	520mm	610mm	610mm
Machine Weight	1,780kg	2,430kg	3,190kg	3,560kg

For full machine specifications please visit our website. Some specifications may change depending on options.

Entry level price with premium performance.

The **XYZ RMX 2500** may be the baby of the XYZ Bed Mill range, but this machine with travels of 780 x 381 x 550mm in Z packs a powerful punch and with the ProtoTRAK[®] RMX touchscreen control, using a 3 axis CNC has never been easier.

XYZ RMX 2500 ProtoTRAK[®]



Guards removed for clarity

Standard Equipment

- Programmable Variable Speed Head.
- TRAKing[®].
- Hard Chrome Slides.
- 3 Axis DRO.
- 2 or 3 Axis CNC.
- Precision Ground Ballscrews.
- Coolant.
- Air Power Drawbar.
- Work Light.
- Auto Lubrication.
- Interlocked Guarding.

Optional Equipment

- Advanced Features.
- Riser Blocks.
- Offline Software.
- Tooling, Vices etc.
- DXF Converter.
- Parasolid Converter.
- Programmable 4th Axis.

Specification	XYZ RMX 2500
Spindle	2.25kW (3hp)
Spindle Speeds	40 - 4,200 rpm
2 Speed Ranges	40 - 600 & 300 - 4,200 rpm
Table Size	1,245 x 228mm
T Slot Size	16mm
T Slots	3 off
X Axis Table Travel	780mm
Y Axis Table Travel	381mm
Head Vertical Travel	550mm
Spindle Taper	R8 (ISO30 Optional)
Quill Power Feeds	.038 .076 .15mm
Quill Travel	127mm
Quill Diameter	85.7mm
Max Table Load	600kg
Head Tilt Left to Right	+45° / -45°
Max Throat Depth	460mm
Machine Weight	1,780kg

The best-selling RMX 3500 offers incredible versatility on one-offs and small batch production.

The perfect size and rigidity for many jobs, and the RMX ProtoTRAK® control makes programming the most complex parts straight forward.

XYZ RMX 3500

ProtoTRAK®



Guards removed for clarity

Standard Equipment

- Programmable Variable Speed Head.
- TRAKing®.
- Hardened and Ground Ways.
- 3 Axis DRO.
- 2 or 3 Axis CNC.
- Precision Ground Ballscrews.
- Coolant.
- Air Power Drawbar.
- Work Light.
- Auto Lubrication.
- Interlocked Guarding.

Optional Equipment

- Advanced Features.
- Riser Blocks.
- Offline Software.
- Tooling, Vices etc.
- DXF Converter.
- Parasolid Converter.
- Programmable 4th Axis.

Specification	XYZ RMX 3500
Spindle	3.75kW (5hp)
Spindle Speeds	40 - 5,000 rpm
2 Speed Ranges	40 - 600 & 300 - 5,000 rpm
Table Size	1,370 x 355mm
T Slot Size	16mm
T Slots	4 off
X Axis Table Travel	750mm
Y Axis Table Travel	480mm
Head Vertical Travel	510mm
Spindle Taper	ISO40
Quill Power Feeds	.038 .076 .15mm
Quill Travel	127mm
Quill Diameter	105mm
Max Table Load	600kg
Head Tilt Left to Right	+45° / -45°
Max Throat Depth	520mm
Machine Weight	2,430kg

The RMX 4000, perfect for those bigger jobs.

This one metre travel **XYZ RMX 4000** Bed Mill with wide saddle and solid cast iron construction, is a real winner in subcontract job shops where the customer doesn't know the next job coming through the door.

XYZ RMX 4000

ProtoTRAK®



Guards removed for clarity

Standard Equipment

- Programmable Variable Speed Head.
- TRAKing®.
- Hard Box Ways.
- 3 Axis DRO.
- 2 or 3 Axis CNC.
- Precision Ground Ballscrews.
- Coolant.
- Air Power Drawbar.
- Work Light.
- Auto Lubrication.
- Interlocked Guarding.

Optional Equipment

- Advanced Features.
- Riser Blocks.
- Offline Software.
- Tooling, Vices etc.
- DXF Converter.
- Parasolid Converter.
- Programmable 4th Axis.

Specification	XYZ RMX 4000
Spindle	5.75kW (7.5hp)
Spindle Speeds	40 - 5,000 rpm
2 Speed Ranges	40 - 600 & 300 - 5,000 rpm
Table Size	1,474 x 355mm
T Slot Size	16mm
T Slots	4 off
X Axis Table Travel	1,060mm
Y Axis Table Travel	596mm
Head Vertical Travel	520mm
Spindle Taper	ISO40
Quill Power Feeds	.038 .076 .15mm
Quill Travel	140mm
Quill Diameter	116mm
Max Table Load	850kg
Head Tilt Left to Right	+45° / -45°
Max Throat Depth	610mm
Machine Weight	3,190kg



Guards removed for clarity

Guarding



All XYZ machine tools are fitted with CE compliant guards. XYZ Bed Mills are fitted with steel guards.

When size matters, the XYZ RMX 5000 is the machine you need in your toolroom.

In your area there may be plenty of milling capacity of up to 1,000mm, but this big boy means that fewer people locally will have this capacity unless it's on a much bigger, more expensive machine, so jobs 1,000 - 1,500mm could be very profitable for you.

Standard Equipment

- Programmable Variable Speed Head.
- TRAKing®.
- Hardened and Ground Ways.
- 3 Axis DRO.
- 2 or 3 Axis CNC.
- Precision Ground Ballscrews.
- Coolant.
- Air Power Drawbar.
- Work Light.
- Auto Lubrication.
- Interlocked Guarding.

Optional Equipment

- Advanced Features.
- Riser Blocks.
- Offline Software.
- Tooling, Vices etc.
- DXF Converter.
- Parasolid Converter.
- Programmable 4th Axis.

Specification	XYZ RMX 5000
Spindle	5.75kW (7.5hp)
Spindle Speeds	40 - 5,000 rpm
2 Speed Ranges	40 - 600 & 300 - 5,000 rpm
Table Size	1,930 x 355mm
T Slot Size	16mm
T Slots	4 off
X Axis Table Travel	1,500mm
Y Axis Table Travel	596mm
Head Vertical Travel	520mm
Spindle Taper	ISO40
Quill Power Feeds	.038 .076 .15mm
Quill Travel	140mm
Quill Diameter	116mm
Max Table Load	850kg
Head Tilt Left to Right	+45° / -45°
Max Throat Depth	610mm
Machine Weight	3,560kg



Tilting Head

The ProtoTRAK® RMX Bed Mills have the capability to tilt the head side to side. This offers the option of either using the manual quill or programming the head to produce angled holes or surfaces.

Programmable spindle speeds of 40 - 5,000 rpm* and TRAKing® are standard on our range of Bed Mills.

* RMX 2500 Spindle Speeds are 40 - 4,200 rpm.

ProtoTRAK[®] RMX

TOOLROOM MACHINING CENTRES

Enclosed machining - the same ProtoTRAK[®] RMX control on the Bed Mill range is now available on a TMC with a tool changer, for those longer runs or more complex jobs.



Specification	XYZ 500 TMC	XYZ 750 TMC	XYZ 1000 TMC	XYZ 1600 TMC
X Axis Table Travel	500mm	750mm	1,000mm	1,600mm
Y Axis Table Travel	400mm	440mm	500mm	650mm
Z Vertical Travel	440mm	500mm	500mm	630mm
Table Size	580 x 400mm	830 x 410mm	1,060 x 500mm	1,660 x 660 mm
Spindle Centre to Column	415mm	500mm	532mm	750mm
Spindle to Table	100 - 550mm	100 - 600mm	100 - 600mm	95 - 735mm
Column Front to Table Centre	215 - 615mm	305 - 745mm	382 - 782mm	370 - 1,030mm
Rapid Feedrate	20 M/min	20 M/min	20 M/min	20 M/min
Cutting Feedrates	1 - 20,000 MM/min			
Max Table Load	250kg	500kg	800kg	1,000kg
T Slot Size	16mm	16mm	16mm	18mm
T Slot Number & Pitch	3 off @ 125mm	3 off @ 100mm	4 off @ 125mm	5 off @ 100mm
Spindle Speeds	5-8,000 rpm (12,000 Opt)			
Spindle Motor	11kW (15hp)	11kW (15hp)	11kW (15hp)	11kW (15hp)
Spindle Taper	BT40	BT40	BT40	BT40
Toolchanger	12 Station Carousel	20 Station Carousel	20 Station Carousel	20 Station Carousel
Toolchange Time	8 secs	8 secs	8 secs	8 secs
Max Tool Diameter	100mm	100mm	100mm	100mm
Max Tool Weight	7kg	7kg	7kg	7kg
Coolant Tank Capacity	105L	125L	160L	300L
Ballscrew (Grade C3)	28mm Dia P8	32mm Dia P8	32mm Dia P8	40mm Dia P12
AC Servo Motor Max Torque	X=5Nm/Y=5Nm/Z=10Nm	X=5Nm/Y=5Nm/Z=10Nm	X=5Nm/Y=5Nm/Z=10Nm	X=10Nm/Y=10Nm/Z=15Nm
Machine Weight	2,400kg	3,500kg	4,600kg	6,500kg
Footprint	1,920 x 2,272 x 2,715mm	2,392 x 2,460 x 2,670mm	2,895 x 2,680 x 2,695mm	4,355 x 3,025 x 2,915mm

For full machine specifications please visit our website. Some specifications may change depending on options.

Mobile cell manufacturing for every machine shop with no increase in labour costs.

In a subcontract environment, if the job is only a few hundred components, it's not worth moving machines around to set up a manufacturing cell. The **XYZ RMX 2-OP** addresses this issue by allowing you to quickly set up a cell so smaller batch runs can be machined with 'cellular' efficiency, dramatically reducing the time on the whole job or use as a standalone TMC.

XYZ RMX 2-OP

ProtoTRAK[®]



Standard Equipment

- ProtoTRAK[®] Touchscreen RMX Control.
- Optimised Digital Servo Drives.
- 8 Station Tool Changer.
- Electronic Handwheel.
- 10,000 rpm Spindle.
- Tapping.
- Flood Coolant.
- Worklight.
- Auto Lubrication.
- Pull Studs.
- USB Port.
- Networking.

Optional Equipment

- Advanced Features.
- DXF Converter.
- MT Connect.
- TRAKing[®] for Remote Handwheel.
- Kurt Modified Vice.
- Jergens Ball Lock Table.
- Fixture Plate for Vice with Fence and Magnetic Stops.
- Plain Fixture Plate.
- Ball Lock Clamping Devices.
- Primary and Secondary Liners for Fixture Plates.
- Tooling Cart.
- Speed Indexer.
- 4th Axis with Controller.
- External USB Drive.
- Offline Programming.

Specification	XYZ RMX 2-OP
X Axis Table Travel	356mm
Y Axis Table Travel	461mm
Z Vertical Travel	435mm
Table Size	457 x 381mm
Spindle to Table	70 - 525mm
Rapid Feedrate	15 M/min
Max Table Load	250kg
T Slot Size	16mm
T Slot Number & Pitch	4 off @ 63mm
Spindle Speeds	50 - 10,000 rpm
Spindle Motor	2.25 kW (3hp)
Spindle Taper	BT30
Toolchanger	8 Station
Max Tool Diameter	50mm
Machine Weight	1,100kg
Footprint	880 x 1,800 x 2,520mm (+ 580mm for pendant)

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.

XYZ 500 TMC

ProtoTRAK®



Standard Equipment

- **ProtoTRAK® Touchscreen RMX Control.**
- **Remote Electronic Handwheel.**
- **Optimised Digital Servo Drives.**
- **Flood Coolant.**
- **Worklight.**
- **12 Station Carousel Tool Changer.**
- **Easy Clean Swarf Tray.**
- **Steel Concertina Guards on all Axes.**
- **Powder Coated Guarding.**
- **Pull Studs.**
- **USB Ports.**
- **Ethernet.**

Optional Equipment

- **Advanced Features.**
- **4th Axis Rotary Table.**
- **Swarf Conveyor and Bin.**
- **12,000 rpm Spindle.**
- **Through Spindle Coolant.**
- **Movable Electronic Handwheels for Setting, Manual Operation and TRAKing®.**
- **Side Vision Panels.**
- **Offline RMX Programming.**
- **DXF Converter.**
- **Parasolid Converter.**
- **Coolant Washdown Gun.**
- **Remote Stop Go Switch.**

Specification	XYZ 500 TMC
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
Spindle Speeds	5 - 8,000 rpm (12,000 Opt)
Spindle Motor	11kW (15hp)
Spindle Taper	BT40
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 Servo Motor Max Torque	X = 5 Nm / Y = 5 Nm / Z = 10 Nm
Machine Weight	2,400kg
Footprint	1,920 x 2,272 x 2,715mm

A mid-sized, all-purpose machine.

The **XYZ 750 TMC** is a mid-sized Machining Centre with the versatility to satisfy both manufacturers from one off or small batch parts to full production runs. If you have a 30 year old ProtoTRAK® machine, the RMX will handle those old programs with minimal editing.

XYZ 750 TMC

ProtoTRAK®



Standard Equipment

- **ProtoTRAK® Touchscreen RMX Control.**
- **Remote Electronic Handwheel.**
- **Optimised Digital Servo Drives.**
- **Flood Coolant.**
- **Worklight.**
- **20 Station Carousel Tool Changer.**
- **Easy Clean Swarf Tray.**
- **Steel Concertina Guards on all Axes.**
- **Powder Coated Guarding.**
- **Pull Studs.**
- **USB Ports.**
- **Ethernet.**

Optional Equipment

- **Advanced Features.**
- **4th Axis Rotary Table.**
- **Swarf Conveyor and Bin.**
- **12,000 rpm Spindle.**
- **Through Spindle Coolant.**
- **Movable Electronic Handwheels for Setting, Manual Operation and TRAKing®.**
- **Side Vision Panels.**
- **Offline RMX Programming.**
- **DXF Converter.**
- **Parasolid Converter.**
- **Coolant Washdown Gun.**
- **Remote Stop Go Switch.**

Specification	XYZ 750 TMC
X Axis Table Travel	750mm
Y Axis Table Travel	440mm
Z Vertical Travel	500mm
Table Size	830 x 410mm
Spindle Centre to Column	500mm
Spindle to Table	100 - 600mm
Column Front to Table Centre	305 - 745mm
Rapid Feedrate	20 M/min
Cutting Feedrates	1 - 20,000 MM/min
Max Table Load	500kg
T Slot Size	16mm
T Slot Number & Pitch	3 off @ 100mm
Spindle Speeds	5 - 8,000 rpm (12,000 Opt)
Spindle Motor	11kW (15hp)
Spindle Taper	BT40
Toolchanger	20 Station Carousel
Toolchange Time	8 secs
Max Tool Diameter	100mm
Max Tool Weight	7kg
Coolant Tank Capacity	125L
Ballscrew (Grade C3)	32mm Dia P8
AC Servo Motor Max Torque	X = 5 Nm / Y = 5 Nm / Z = 10 Nm
Machine Weight	3,500kg
Footprint	2,392 x 2,460 x 2,670mm



Making a standard machine something more versatile.

The **XYZ 1000 TMC** has an impressive specification with the front located handwheel option changing from manual operation to full CNC and even using TRAKing® to test or run the program.

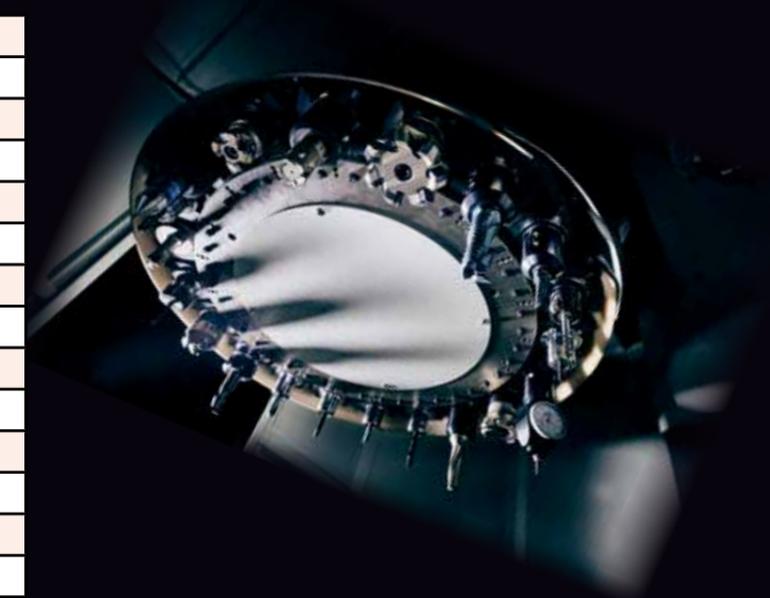
Standard Equipment

- **ProtoTRAK® Touchscreen RMX Control.**
- **Remote Electronic Handwheel.**
- **Optimised Digital Servo Drives.**
- **Flood Coolant.**
- **Worklight.**
- **20 Station Carousel Tool Changer.**
- **Easy Clean Swarf Tray.**
- **Steel Concertina Guards on all Axes.**
- **Powder Coated Guarding.**
- **Pull Studs.**
- **USB Ports.**
- **Ethernet.**

Optional Equipment

- **Advanced Features.**
- **4th Axis Rotary Table.**
- **Swarf Conveyor and Bin.**
- **12,000 rpm Spindle.**
- **Through Spindle Coolant.**
- **Movable Electronic Handwheels for Setting, Manual Operation and TRAKing®.**
- **Side Vision Panels.**
- **Offline RMX Programming.**
- **DXF Converter.**
- **Parasolid Converter.**
- **Coolant Washdown Gun.**
- **Remote Stop Go Switch.**

Specification	XYZ 1000 TMC
X Axis Table Travel	1,000mm
Y Axis Table Travel	500mm
Z Vertical Travel	500mm
Table Size	1,060 x 500mm
Spindle Centre to Column	532mm
Spindle to Table	100 - 600mm
Column Front to Table Centre	382 - 782mm
Rapid Feedrate	20 M/min
Cutting Feedrates	1 - 20,000 MM/min
Max Table Load	800kg
T Slot Size	16mm
T Slot Number & Pitch	4 off @ 125mm
Spindle Speeds	5 - 8,000 rpm (12,000 Opt)
Spindle Motor	11kW (15hp)
Spindle Taper	BT40
Toolchanger	20 Station Carousel
Toolchange Time	8 secs
Max Tool Diameter	100mm
Max Tool Weight	7kg
Coolant Tank Capacity	160L
Ballscrew (Grade C3)	32mm Dia P8
AC Servo Motor Max Torque	X = 5 Nm / Y = 5 Nm / Z = 10 Nm
Machine Weight	4,600kg
Footprint	2,895 x 2,680 x 2,695mm



XYZ 1600 TMC

ProtoTRAK®



Giving the workshop a competitive edge.

The **XYZ 1600 TMC** is the biggest TMC in the range. In your area there may be plenty of milling capacity of up to 1,000mm, but this big boy means that fewer people locally will have this capacity unless it's on a much bigger, more expensive machine so jobs 1,000 - 1,600mm could be very profitable for you.

Standard Equipment

- ProtoTRAK® Touchscreen RMX Control.
- Remote Electronic Handwheel.
- Optimised Digital Servo Drives.
- Flood Coolant.
- Worklight.
- 20 Station Carousel Tool Changer.
- Easy Clean Swarf Tray.
- Steel Concertina Guards on all Axes.
- Powder Coated Guarding.
- Pull Studs.
- USB Ports.
- Ethernet.

Optional Equipment

- Advanced Features.
- 4th Axis Rotary Table.
- Swarf Conveyor and Bin.
- 12,000 rpm Spindle.
- Through Spindle Coolant.
- Movable Electronic Handwheels for Setting, Manual Operation and TRAKing®.
- Side Vision Panels.
- Offline RMX Programming.
- DXF Converter.
- Parasolid Converter.
- Coolant Washdown Gun.
- Remote Stop Go Switch.

Specification	XYZ 1600 TMC
X Axis Table Travel	1,600mm
Y Axis Table Travel	650mm
Z Vertical Travel	630mm
Table Size	1,660 x 660 mm
Spindle Centre to Column	750mm
Spindle to Table	95 - 735mm
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
Spindle Speeds	5 - 8,000 rpm (12,000 Opt)
Spindle Motor	11kW (15hp)
Spindle Taper	BT40
Toolchanger	20 Station Carousel
Toolchange Time	8 secs
Max Tool Diameter	100mm
Max Tool Weight	7kg
Coolant Tank Capacity	300L
Ballscrew (Grade C3)	40mm Dia P12
AC Servo Motor Max Torque	X = 10 Nm / Y = 10 Nm / Z = 15 Nm
Machine Weight	6,500kg
Footprint	4,355 x 3,025 x 2,915mm



ProtoTRAK® RLX LATHES

If you use Manual Lathes or even Turning Centres, you will be amazed at the speed of one-off or small batch production. With 8 models in the range and various bed lengths, there is a machine that suits you. Like the Mills, the Lathes can be used manually or under full CNC control with clearance cycles, profiling, grooving, drilling, or machining standard and custom threads and much more.



Specification	XYZ RLX 1630	XYZ RLX 355	XYZ RLX 425 1.25 and 2 metre	XYZ RLX 555 1 and 1.75 metre	XYZ RLX 780 1.5 and 3 metre
Swing Over Bed	400mm	360mm	480mm	560mm	780mm
Swing in Gap	N/A	N/A	700mm	780mm	1,090mm
Gap in front of Faceplate	N/A	N/A	170mm	227mm	157mm
Swing over Cross Slide	218mm	225mm	257mm	350mm	535mm
Cross Slide Travel	216mm	185mm	230mm	280mm	430mm
Distance between Centres	760mm	1,000mm	1,250 / 2,000mm	1,000 / 1,750mm	1,500 / 3,000mm
Maximum Cutting Length	760mm	900mm	1,080 / 1,900mm	900 / 1,650mm	1,400 / 2,900mm
Spindle Bore	54mm	52mm	80mm	104mm	160mm
Spindle Nose	DI-6 Camlock	DI-6 Camlock	DI-8 Camlock	DI-11 Camlock	A2-11
Spindle Taper	MT4 in bush	MT4 in bush	MT7 in bush	MT7 in bush	MT7 in bush
Spindle	5.75kW (7.5hp)	5.75kW (7.5hp)	7.5kW (10hp)	11.2kW (15hp)	32kW (43hp)
Spindle Speeds	150 - 2,500 rpm	50 - 4,000 rpm	25 - 2,500 rpm	30 - 1,800 rpm	20 - 1,300 rpm
Speed Ranges	Single Range 150 - 2,500 rpm	2 Ranges (50 - 1,410 & 100 - 4,000 rpm)	3 Ranges (25 - 300, 50 - 850 & 140 - 2,500 rpm)	2 Ranges (30 - 375 & 140 - 1,800 rpm)	2 Ranges (20 - 415 & 40 - 1,300 rpm)
Tailstock Travel	127mm	150mm	160mm	160mm	200mm
Tailstock Taper	MT4	MT4	MT5	MT5	MT6
Tailstock Diameter	60mm	60mm	75mm	90mm	105mm
Bed Width	320mm	300mm	370mm	370mm	500mm
Machine Weight	1,550kg	1,955kg	2,700 / 3,700kg	3,200 / 4,100kg	6,400 / 8,600kg
Footprint	2,090 x 1,200 x 1,800mm	2,320 x 1,410 x 1,940mm	2,600 x 1,480 x 1,830mm / 3,450 x 1,600 x 1,910mm	2,600 x 1,600 x 1,930mm / 3,510 x 1,550 x 1,930mm	3,904 x 2,170 x 2,180mm / 5,455 x 2,170 x 2,180mm

For full machine specifications please visit our website. Some specifications may change depending on options.



If you are thinking of buying a large Turning Centre why not consider a large PROTURN fitted with a 4 or 8 Station Turret. This could give you very similar results at a fraction of the price. Perhaps 80% of the performance at 30% of the price.



Drilling attachment.



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

Let's massively improve the speed of one-off and small batch production.

The entry level, low cost **XYZ RLX 1630** ProtoTRAK® Lathe is a great machine to get started with and a massive jump forward on a manual machine in both accuracy and production capability. Threading, tapers, radii and profiling even on a one-off or small batches, this machine will prove its worth over a manual machine.

XYZ PROTURN RLX 1630

ProtoTRAK®



Standard Equipment

- 200mm 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 Backstop.
- Faceplates, Steadies, Chucks and Collet Chucks.
- 4 Station Auto Indexing Toolpost.

Specification	XYZ RLX 1630
Swing Over Bed	400mm
Swing in Gap	N/A
Gap in front of Faceplate	N/A
Swing over Cross Slide	218mm
Cross Slide Travel	216mm
Distance between Centres	760mm
Maximum Cutting Length	760mm
Spindle Bore	54mm
Spindle Nose	DI-6 Camlock
Spindle Taper	MT4 in bush
Spindle	5.75kW (7.5hp)
Spindle Speeds	150 - 2,500 rpm
Speed Ranges	Single Range 150 - 2,500 rpm
Tailstock Travel	127mm
Tailstock Taper	MT4
Tailstock Diameter	60mm
Bed Width	320mm
Machine Weight	1,550kg
Footprint	2,090 x 1,200 x 1,800mm

Our high speed Lathe.

The **XYZ RLX 355** has a two-speed gearbox and 4,000 rpm, a massive jump forward on a manual machine in both accuracy and production capability. Threading, tapers, radii and profiling even on a one-off or small batches, this machine will prove its worth.

For small batches it can be more productive than a full-blown Turning Centre.

XYZ PROTORN RLX 355

ProtoTRAK®



Standard Equipment

- 200mm 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 Backstop.
- Faceplates, Steadies, Chucks and Collet Chucks.
- 4 or 8 Station Auto Indexing Toolpost.
- Swarf Conveyor.

Specification	XYZ RLX 355
Swing Over Bed	360mm
Swing in Gap	N/A
Gap in front of Faceplate	N/A
Swing over Cross Slide	225mm
Cross Slide Travel	185mm
Distance between Centres	1,000mm
Maximum Cutting Length	900mm
Spindle Bore	52mm
Spindle Nose	D1-6 Camlock
Spindle Taper	MT4 in bush
Spindle	5.75kW (7.5hp)
Spindle Speeds	50 - 4,000 rpm
Speed Ranges	2 Ranges (50 - 1,410 & 100 - 4,000 rpm)
Tailstock Travel	150mm
Tailstock Taper	MT4
Tailstock Diameter	60mm
Bed Width	300mm
Machine Weight	1,955kg
Footprint	2,320 x 1,410 x 1,940mm

The XYZ RLX 425 with 80mm Spindle bore is our bestseller

This has often replaced a manual machine and been a companies first jump into CNC with one piece bed and base and solid construction making this a real workhorse. Threading, tapers, radii and profiling even on a one-off or small batches, this machine will prove its worth. For one-offs and small batches it can be more productive than a full-blown Turning Centre.

XYZ PROTORN RLX 425

ProtoTRAK®



XYZ PROTORN RLX 425 x 1.25 metre

Standard Equipment

- 250mm 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 Backstop.
- Faceplates, Steadies, Chucks and Collet Chucks.
- 4 or 8 Station Auto Indexing Toolpost.
- Swarf Conveyor.

Specification	XYZ RLX 425 1.25 and 2 metre
Swing Over Bed	480mm
Swing in Gap	700mm
Gap in front of Faceplate	170mm
Swing over Cross Slide	257mm
Cross Slide Travel	230mm
Distance between Centres	1,250 / 2,000mm
Maximum Cutting Length	1,080 / 1,900mm
Spindle Bore	80mm
Spindle Nose	D1-8 Camlock
Spindle Taper	MT7 in bush
Spindle	7.5kW (10 hp)
Spindle Speeds	25 - 2,500 rpm
Speed Ranges	3 Ranges (25 - 300, 50 - 850 & 140 - 2,500 rpm)
Tailstock Travel	160mm
Tailstock Taper	MT5
Tailstock Diameter	75mm
Bed Width	370mm
Machine Weight	2,700 / 3,700kg
Footprint	2,600 x 1,480 x 1,830mm/3,450 x 1,600 x 1,910mm

XYZ RLX 555 with 104mm spindle bore.

2 speed gearbox and 15hp motor with a 560mm swing over bed and 350mm swing over cross slide, makes this a great machine for those bigger jobs. ProtoTRAK® RLX makes simple work of threading, tapers, radii and profiling even on a one-off or small batches this machine will prove its worth. For small batches it can be more productive than a full-blown Turning Centre.

XYZ PROTURNS RLX 555

ProtoTRAK®



Standard Equipment

- 315mm 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 Backstop.
- Faceplates, Steadies, Chucks.
- 4 or 8 Station Auto Indexing Toolpost.
- Swarf Conveyor.

Specification	XYZ RLX 555 1 and 1.75 metre
Swing Over Bed	560mm
Swing in Gap	780mm
Gap in front of Faceplate	227mm
Swing over Cross Slide	350mm
Cross Slide Travel	280mm
Distance between Centres	1,000 / 1,750mm
Maximum Cutting Length	900 / 1,650mm
Spindle Bore	104mm
Spindle Nose	D1-11 Camlock
Spindle Taper	MT7 in bush
Spindle	11.2kW (15hp)
Spindle Speeds	30 - 1,800rpm
Speed Ranges	2 Ranges (30 - 375 & 140 - 1,800rpm)
Tailstock Travel	160mm
Tailstock Taper	MT5
Tailstock Diameter	90mm
Bed Width	370mm
Machine Weight	3,200kg / 4,100kg
Footprint	2,600 x 1,600 x 1,930mm/3,510 x 1,550 x 1,930mm

XYZ RLX 780 is the biggest Lathe in the ProTURN range.

The **XYZ RLX 780** has a 32kW (43hp) motor, a massive 160mm spindle bore and 1,500mm or 3,000mm between centres. With 780mm swing over bed and 535mm swing over cross slide this is a great metal mover.

XYZ PROTURNS RLX 780

ProtoTRAK®



Standard Equipment

- 500mm 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.
- Faceplates, Steadies and Chucks.
- 8 Station Auto Indexing Toolpost.
- Swarf Conveyor.
- Rear Mounted Chuck.

Specification	XYZ RLX 780 1.5 and 3 metre
Swing Over Bed	780mm
Swing in Gap	1,090mm
Gap in front of Faceplate	157mm
Swing over Cross Slide	535mm
Cross Slide Travel	430mm
Distance between Centres	1,500 / 3,000mm
Maximum Cutting Length	1,400 / 2,900mm
Spindle Bore	160mm
Spindle Nose	A2-11
Spindle Taper	MT7 in bush
Spindle	32kW (43hp)
Spindle Speeds	20 - 1,300 rpm
Speed Ranges	2 Ranges (20 - 415 & 40 - 1,300 rpm)
Tailstock Travel	200mm
Tailstock Taper	MT6
Tailstock Diameter	105mm
Bed Width	500mm
Machine Weight	6,400kg / 8,600kg
Footprint	3,904 x 2,170 x 2,180mm/5,455 x 2,170 x 2,180mm

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



VERTICAL MACHINING CENTRES

LINEAR RAIL

We have two ranges of VMCs. The low cost LR (linear rail) range ideal for lighter cuts and high speed machining and the HD (heavy duty) box way range for those who prefer the traditional machine format.

Conforming to ISO 10791	
Positional accuracy	+/- 5 microns
Repeatability	+/- 2 microns
Circularity over 300mm	10 microns
Geometric accuracy over 300mm	10 microns



Specification	XYZ 500 LR	XYZ 750 LR	XYZ 1000 LR	XYZ 1600 LR
X Axis Table Travel	500mm	750mm	1,000mm	1,600mm
Y Axis Table Travel	400mm	440mm	500mm	650mm
Z Vertical Travel	440mm	500mm	500mm	630mm
Table Size	580 x 400mm	830 x 410mm	1,060 x 500mm	1,660 x 660mm
Spindle Centre to Column	415mm	500mm	532mm	750mm
Spindle to Table	100 - 550mm	100 - 600mm	110 - 610mm	105 - 740mm
Column Front to Table Centre	215 - 615mm	305 - 745mm	282 - 782mm	370 - 1,030mm
Rapid Feedrate	20 M/min	20 M/min	20 M/min	20 M/min
Cutting Feedrates	1 - 20,000 MM/min			
Max Table Load	250kg	500kg	800kg	1,000kg
T Slot Size	16mm	16mm	16mm	18mm
T Slot Number & Pitch	3 off @125mm Pitch	3 off @100mm Pitch	4 off @125mm Pitch	5 off @100mm Pitch
Spindle Speeds	5 - 8,000 rpm (12,000 Opt)	5 - 8,000 rpm (12,000 Opt)	5 - 8,000 rpm (12,000 Opt)	5 - 10,000 rpm (12,000 Opt)
Spindle Motor	15kW (20hp)	15kW (20hp)	15kW (20hp)	15kW (20hp)
Spindle Taper	BT40 (SK & Cat Opt)	BT40 (SK & Cat Opt)	BT40 (SK & Cat Opt)	BT40
Toolchanger	12 Station Carousel	20 Station Carousel (24 Arm Opt)	20 Station Carousel (24 Arm Opt)	24 Station Arm Type
Toolchange Time	8 secs	8 secs (Carousel) / 2.5 secs (Arm)	8 secs (Carousel) / 2.5 secs (Arm)	2.5 secs
Max Tool Diameter	100mm	100mm (Carousel) / 78mm (Arm)	100mm (Carousel) / 78mm (Arm)	78mm
Max Tool Weight	7kg	7kg	7kg	7kg
Coolant Tank Capacity	105L	125L	160L	300L
Ballscrew (Grade C3)	28mm Dia P8	32mm Dia P8	32mm Dia P8	40mm Dia P8
AC Digital Servo Motors Max Torque	X = 8 Nm / Y = 8 Nm / Z = 12 Nm 3,000 rpm	X = 8 Nm / Y = 8 Nm / Z = 12 Nm 3,000 rpm	X = 8 Nm / Y = 8 Nm / Z = 12 Nm 3,000 rpm	X = 12 Nm / Y = 12 Nm / Z = 16 Nm 3,000 rpm
Machine Weight	2,400kg	3,500kg	4,600kg	6,500kg
Footprint	1,890 x 1,982 x 2,700mm	2,362 x 2,170 x 2,655mm	2,865 x 2,390 x 2,680mm	4,305 x 2,735 x 2,900mm

For full machine specifications please visit our website. Some specifications may change depending on options.

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

SIEMENS



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

XYZ 750 LR hits the spot for cost-effective machining.

The best selling **XYZ 750 LR**'s capacity makes it the most popular choice for those looking to step up to CNC VMC operation at a very competitive price. With axis travels of 750 x 440 x 500mm, the XYZ 750 LR has the capacity to handle the majority of work passing through a typical machine shop.

XYZ 750 LR

SIEMENS



Standard Equipment

- **Siemens 828D Control.**
- **Optimised Digital Servo Drives.**
- **Rigid Tapping.**
- **Flood Coolant.**
- **Worklight.**
- **20 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

- **24 Station Arm Type ATC.**
- **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 750 LR
X Axis Table Travel	750mm
Y Axis Table Travel	440mm
Z Vertical Travel	500mm
Table Size	830 x 410mm
Spindle Centre to Column	500mm
Spindle to Table	100 - 600mm
Column Front to Table Centre	305 - 745mm
Rapid Feedrate	20 M/min
Cutting Feedrates	1 - 20,000 MM/min
Max Table Load	500kg
T Slot Size	16mm
T Slot Number & Pitch	3 off @100mm Pitch
Spindle Speeds	5 - 8,000 rpm (12,000 Opt)
Spindle Motor	15kW (20hp)
Spindle Taper	BT40 (SK & Cat Opt)
Toolchanger	20 Station Carousel (24 Arm Opt)
Toolchange Time	8 secs (Carousel) / 2.5 secs (Arm)
Max Tool Diameter	100mm (Carousel) / 78mm (Arm)
Max Tool Weight	7kg
Coolant Tank Capacity	125L
Ballscrew (Grade C3)	32mm Dia P8
AC Digital Servo Motors Max Torque	X = 8 Nm / Y = 8 Nm / Z = 12 Nm 3,000 rpm
Machine Weight	3,500kg
Footprint	2,362 x 2,170 x 2,655mm

As one of the most popular sizes of VMC, the XYZ 1000 LR provides large capacity at an affordable price.

The **XYZ 1000 LR** has an impressive specification, including 1,000mm of travel in the X-axis and 500mm in both the Y and Z axes. It shares the same 15kW, 8,000rpm, BT40 spindle with the other machines in the range as well as the standard 20 position tool carousel. Like other models it has the option of a 24 station arm-type tool changer.

XYZ 1000 LR

SIEMENS



Standard Equipment

- **Siemens 828D Control.**
- **Optimised Digital Servo Drives.**
- **Rigid Tapping.**
- **Flood Coolant.**
- **Worklight.**
- **20 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

- **24 Station Arm Type ATC.**
- **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 1000 LR
X Axis Table Travel	1,000mm
Y Axis Table Travel	500mm
Z Vertical Travel	500mm
Table Size	1,060 x 500mm
Spindle Centre to Column	532mm
Spindle to Table	110 - 610mm
Column Front to Table Centre	282 - 782mm
Rapid Feedrate	20 M/min
Cutting Feedrates	1 - 20,000 MM/min
Max Table Load	800kg
T Slot Size	16mm
T Slot Number & Pitch	4 off @ 125mm Pitch
Spindle Speeds	5 - 8,000 rpm (12,000 Opt)
Spindle Motor	15kW (20hp)
Spindle Taper	BT40 (SK & Cat Opt)
Toolchanger	20 Station Carousel / (24 Arm Opt)
Toolchange Time	8 secs (Carousel) / 2.5 secs (Arm)
Max Tool Diameter	100mm (Carousel) / 78mm (Arm)
Max Tool Weight	7kg
Coolant Tank Capacity	160L
Ballscrew (Grade C3)	32mm Dia P8
AC Digital Servo Motors Max Torque	X = 8 Nm / Y = 8 Nm / Z = 12 Nm 3,000 rpm
Machine Weight	4,600kg
Footprint	2,865 x 2,390 x 2,680mm

XYZ 1600 LR

SIEMENS

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



As the largest machine in the LR range, the XYZ 1600 LR provides large capacity at an affordable price.

The **XYZ 1600 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.

Standard Equipment

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



VERTICAL MACHINING CENTRES

HEAVY DUTY & HIGH SPEED

Hardened box ways with turcite coated slides have been the first choice for XYZ for many years as they are renowned for providing the best solution for machine tool construction. The combination of machine weight and hardened box way slides guarantees a highly rigid machining platform, providing exceptional vibration damping especially on intermittent cutting across a wide range of materials, such as Inconel, Titanium, or Stainless Steel.

Conforming to ISO 10791	
Positional accuracy	+/- 5 microns
Repeatability	+/- 2 microns
Circularity over 300mm	10 microns
Geometric accuracy over 300mm	10 microns



Specification	XYZ 660 HD	XYZ 800 HD	XYZ 1100 HD	XYZ 1060 HS
X Axis Table Travel	660mm	800mm	1,100mm	1,020mm
Y Axis Table Travel	450mm	500mm	610mm	610mm
Z Vertical Travel	500mm	510mm	610mm	620mm
Table Size	720 x 420mm	920 x 480mm	1,200 x 600mm	1,200 x 600mm
Spindle Centre to Column	490mm	550mm	675mm	640mm
Spindle to Table	100 - 600mm	100 - 610mm	150 - 760mm	140 - 760mm
Column Front to Table Centre	290 - 740mm	300 - 800mm	360 - 970mm	365 - 975mm
Rapid Feedrate	24 M/min	24 M/min	24 M/min	43 M/min
Cutting Feedrates	1 - 24,000 MM/min	1 - 24,000 MM/min	1 - 24,000 MM/min	1 - 43,000 MM/min
Max Table Load	500kg	900kg	1,500kg	1,000kg
T Slot Size	16mm	16mm	18mm	18mm
T Slot Number & Pitch	4 off @ 100mm Pitch	4 off @ 100mm Pitch	4 off @ 125mm Pitch	5 off @ 125mm Pitch
Spindle Speeds	5 - 10,000 rpm (12,000 Opt)	5 - 10,000 rpm (12,000 Opt)	5 - 10,000 rpm (12,000 Opt)	12,000 rpm (15,000 Opt)
Spindle Motor	21kW (28hp)	21kW (28hp)	21kW (28hp)	21kW (28hp)
Spindle Taper	BT40 (SK & Cat Opt)	BT40 (SK & Cat Opt)	BT40 (SK & Cat Opt)	BT40 (SK & Cat Opt)
Toolchanger	12 Station Carousel	24 Station Arm Type	30 Station Arm Type	30 Station Arm Type
Toolchange Time	8 secs	2.5 secs	2.5 secs	2.5 secs
Max Tool Diameter	90mm	78mm	78mm	76mm
Max Tool Weight	6kg	8kg	8kg	8kg
Coolant Tank Capacity	130L	150L	240L	300L
Ballscrew (Grade C3)	32mm Dia P10	40mm Dia P10	40mm Dia P12	40mm Dia P16
AC Digital Servo Motors Max Torque	X = 8.5 Nm / Y = 8.5 Nm / Z = 12 Nm 3,000 rpm	X = 8.5 Nm / Y = 8.5 Nm / Z = 12 Nm 3,000 rpm	X = 20 Nm / Y = 20 Nm / Z = 20 Nm 3,000 rpm	X = 27 Nm / Y = 27 Nm / Z = 36 Nm
Machine Weight	3,400kg	4,400kg	7,000kg	7,500kg
Footprint	2,220 x 2,850 x 2,630mm	2,440 x 3,190 x 2,690mm	3,250 x 3,500 x 2,810mm	4,400 x 3,290 x 3,250mm

For full machine specifications please visit our website. Some specifications may change depending on options.

The XYZ 660 HD is the smallest HD VMC in our range.

With a small footprint of just 2,220 x 2,850 x 2,630mm, the **XYZ 660 HD** will give modern day production capabilities to most shopfloors, with room to spare! With a solid ribbed casting, wide box slideways and powerful direct drives on all three axes, this VMC features an automatic 12 station toolchanger and can accommodate most components with travels of 660 x 450 x 500mm.



Standard Equipment

- Siemens 828D ShopMill Touchscreen Control or Heidenhain TNC 620 Touchscreen Control.
- Optimised Digital Servo Drives.
- Hardened Table.
- Rigid Tapping.
- High Pressure Flood Coolant.
- LED Worklight.
- 12 Station Carousel ATC.
- Remote Electronic Handwheel.
- Easy Clean Swarf Tray.
- Steel Concertina Guards on all axes.
- Stainless Steel Floor Pan.
- Powder Coated Guarding.
- Pull Studs.
- Networking.
- USB Port.

Optional Equipment

- 4th Axis Rotary Table.
- 5th Axis Rotary Table.
- Swarf Conveyor & Bin.
- 12,000 rpm Spindle.
- Through Spindle Coolant.
- Offline Programming.
- Renishaw/Heidenhain Toolsetting and Probing.
- Contour Handwheel (wind the handwheel to run through the program).
- Oil Skimmer.
- Advanced Swarf Management System.
- DXF Reader.
- Coolant Washdown Gun.

Specification	XYZ 660 HD
X Axis Table Travel	660mm
Y Axis Table Travel	450mm
Z Vertical Travel	500mm
Table Size	720 x 420mm
Spindle Centre to Column	490mm
Spindle to Table	100 - 600mm
Column Front to Table Centre	290 - 740mm
Rapid Feedrate	24 M/min
Cutting Feedrates	1 - 24,000 MM/min
Max Table Load	500kg
T Slot Size	16mm
T Slot Number & Pitch	4 off @ 100mm Pitch
Spindle Speeds	5 - 10,000 rpm (12,000 Opt)
Spindle Motor	21kW (28hp)
Spindle Taper	BT40 (SK & Cat Opt)
Toolchanger	12 Station Carousel
Toolchange Time	8 secs
Max Tool Diameter	90mm
Max Tool Weight	6kg
Coolant Tank Capacity	130L
Ballscrew (Grade C3)	32mm Dia P10
AC Digital Servo Motors Max Torque	X = 8.5 Nm / Y = 8.5 Nm / Z = 12 Nm 3,000 rpm
Machine Weight	3,400kg
Footprint	2,220 x 2,850 x 2,630mm

HARDENED BOX SLIDWAYS

The XYZ 800 HD is a compact, highly capable and popular machine.

With its solid cast ribbed structure, 24 station arm type tool changer, and vibration absorbing box slideways, it is a rigid machine ideal for the typical sub-contractor who doesn't know what material it will be cutting from day-to-day. The **XYZ 800 HD** can cut even the toughest materials faster than most other competitor VMCs.



SIEMENS
Touchscreen
HEIDENHAIN
Touchscreen



Standard Equipment

- **Siemens 828D ShopMill Touchscreen Control or Heidenhain TNC 620 Touchscreen Control.**
- **Optimised Digital Servo Drives.**
- **Hardened Table.**
- **Rigid Tapping.**
- **High Pressure Flood Coolant.**
- **LED Worklight.**
- **24 Station Arm Type.**
- **Remote Electronic Handwheel.**
- **Easy Clean Swarf Tray.**
- **Steel Concertina Guards on all Axes.**
- **Stainless Steel Floor Pan.**
- **Powder Coated Guarding.**
- **Pull Studs.**
- **Networking.**
- **USB Port.**

Optional Equipment

- **4th Axis Rotary Table.**
- **5th Axis Rotary Table.**
- **Swarf Conveyor & Bin.**
- **12,000 rpm Spindle.**
- **Through Spindle Coolant.**
- **Offline Programming.**
- **Renishaw/Heidenhain Toolsetting and Probing.**
- **Contour Handwheel (wind the handwheel to run through the program).**
- **Oil Skimmer.**
- **Advanced Swarf Management System.**
- **DXF Reader.**
- **Coolant Washdown Gun.**

Specification	XYZ 800 HD
X Axis Table Travel	800mm
Y Axis Table Travel	500mm
Z Vertical Travel	510mm
Table Size	920 x 480mm
Spindle Centre to Column	550mm
Spindle to Table	100 - 610mm
Column Front to Table Centre	300 - 800mm
Rapid Feedrate	24 M/min
Cutting Feedrates	1 - 24,000 MM/min
Max Table Load	900kg
T Slot Size	16mm
T Slot Number & Pitch	4 off @ 100mm Pitch
Spindle Speeds	5 - 10,000 rpm (12,000 Opt)
Spindle Motor	21kW (28hp)
Spindle Taper	BT40 (SK & Cat Opt)
Toolchanger	24 Station Arm type
Toolchange Time	2.5 secs
Max Tool Diameter	78mm
Max Tool Weight	8kg
Coolant Tank Capacity	150L
Ballscrew (Grade C3)	40mm Dia P10
AC Digital Servo Motors Max Torque	X = 8.5 Nm / Y = 8.5 Nm / Z = 12 Nm 3,000 rpm
Machine Weight	4,400kg
Footprint	2,440 x 3,190 x 2,690mm

**HARDENED BOX
SLIDWAYS**

The XYZ 1100 HD is not to be confused with lighter, metre plus machines.

This proven structure has a base that allows for better support of the X and Y travel and increases table load capacity from 800kg to a massive 1,500kg. There is never any table overhang and the table is always fully supported.



SIEMENS
Touchscreen
HEIDENHAIN
Touchscreen



Standard Equipment

- **Siemens 828D ShopMill Touchscreen Control or Heidenhain TNC 620 Touchscreen Control.**
- **Optimised Digital Servo Drives.**
- **Hardened Table.**
- **Rigid Tapping.**
- **Twin Swarf Augers.**
- **Swarf Conveyor & Bin from Auger.**
- **High Pressure Flood Coolant.**
- **LED Worklight.**
- **30 Station Arm Type.**
- **Pneumatically Counter Balanced Head.**
- **Remote Electronic Handwheel.**
- **Easy Clean Swarf Tray.**
- **Steel Concertina Guards on all Axes.**
- **Powder Coated Guarding.**
- **Pull Studs.**
- **Networking.**
- **USB Port.**

Optional Equipment

- **4th Axis Rotary Table.**
- **5th Axis Rotary Table.**
- **12,000 rpm Spindle.**
- **Through Spindle Coolant.**
- **Offline Programming.**
- **Renishaw/Heidenhain Toolsetting and Probing.**
- **Contour Handwheel (wind the handwheel to run through the program).**
- **Oil Skimmer.**
- **Advanced Swarf Management System.**
- **DXF Reader.**
- **Coolant Washdown Gun.**

Specification	XYZ 1100 HD
X Axis Table Travel	1,100mm
Y Axis Table Travel	610mm
Z Vertical Travel	610mm
Table Size	1,200 x 600mm
Spindle Centre to Column	675mm
Spindle to Table	150 - 760mm
Column Front to Table Centre	360 - 970mm
Rapid Feedrate	24 M/min
Cutting Feedrates	1 - 24,000 MM/min
Max Table Load	1,500kg
T Slot Size	18mm
T Slot Number & Pitch	4 off @ 125mm Pitch
Spindle Speeds	5 - 10,000 rpm (12,000 Opt)
Spindle Motor	21kW (28hp)
Spindle Taper	BT40 (SK & Cat Opt)
Toolchanger	30 Station Arm type
Toolchange Time	2.5 secs
Max Tool Diameter	78mm
Max Tool Weight	8kg
Coolant Tank Capacity	240L
Ballscrew (Grade C3)	40mm Dia P12
AC Digital Servo Motors Max Torque	X = 20 Nm / Y = 20 Nm / Z = 20 Nm 3,000 rpm
Machine Weight	7,000kg
Footprint	3,250 x 3,500 x 2,810mm

**HARDENED BOX
SLIDWAYS**

XYZ 1060 HS

SIEMENS
Touchscreen

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



The XYZ 1060 High Speed - the flagship of the XYZ VMC range.

This high accuracy and high speed Vertical Machining Centre is equipped with the latest control technology from Siemens, the 840DSL or SINUMERIK ONE Touchscreen control. The 1060 has top of the line THK linear roller bearings making it capable of modern fast machining for use in the aerospace and mouldmaking industries where precision is of paramount importance.

The **XYZ 1060 HS** can easily be upgraded to 4 or 5 axis.



Standard Equipment

- Siemens 840DSL High Speed ShopMill 19" Touchscreen Control.
- 12,000 rpm Oil Cooled Spindle.
- 43 M/min Rapids.
- Temperature Controlled Ballscrews.
- Temperature Controlled Spindle.
- Pneumatically Counter Balanced Head.
- 30 Station Arm Type.
- High Pressure Coolant.
- Through Spindle Coolant.
- Coolant Washdown.
- Swarf Conveyor & Bin.
- Optimised Digital Servo Drives.
- Hard Drive and Networking.
- Rigid Tapping.
- Remote Electronic Handwheel.
- High Speed Concertina Guards.
- Stainless Steel Floor Pan.
- Powder Coated Guarding.
- USB Port.
- Networking.

Optional Equipment

- 4th Axis Rotary Table.
- 5th Axis Rotary Table.
- 15,000 rpm Direct Drive Spindle.
- Linear Scales.
- Offline Programming.
- Renishaw/Heidenhain Toolsetting and Probing.
- Contour Handwheel (wind the handwheel to run through the program).
- Advanced Swarf Management System.

Specification	XYZ 1060 HS
X Axis Table Travel	1,020mm
Y Axis Table Travel	610mm
Z Vertical Travel	620mm
Table Size	1,200 x 600mm
Spindle Centre to Column	640mm
Spindle to Table	140 - 760mm
Column Front to Table Centre	365 - 975mm
Rapid Feedrate	43 M/min
Cutting Feedrates	1 - 43,000 MM/min
Max Table Load	1,000kg
T Slot Size	18mm
T Slot Number & Pitch	5 off @125mm Pitch
Spindle Speeds	12,000 rpm (15,000 Opt)
Spindle Motor	21kW (28hp)
Spindle Taper	BT40 (SK & Cat Opt)
Toolchanger	30 Station Arm Type
Toolchange Time	2.5 secs
Max Tool Diameter	76mm
Max Tool Weight	8kg
Coolant Tank Capacity	300L
Ballscrew (Grade C3)	40mm Dia P16
AC Digital Servo Motors Max Torque	X = 27 Nm / Y = 27 Nm / Z = 36 Nm
Machine Weight	7,500kg
Footprint	4,400 x 3,290 x 3,250mm

The XYZ Super Heavyweights with up to 3 metres of travel.

As British manufacturing grows, so it seems do the size of the components it needs to machine, with oil, gas, aerospace and renewables demanding larger capacity machine tools. Enter the XYZ Super Heavyweight VMCs, with up to 3,000mm x 1,000mm x 800mm of travel.

Backing up this capacity is the 25 tonnes of solid Meehanite casting, with wide box slideways, six on the Y axis alone.



XYZ 2010 HD

TABLE 2,200 x 1,000mm
TRAVEL 2,000 x 1,000 x 800mm
10,000 RPM SPINDLE
16 M/MIN RAPIDS
SOLID CASTING 20,000 KG

XYZ 2510 HD

TABLE 2,700 x 1,000mm
TRAVEL 2,500 x 1,000 x 800mm
10,000 RPM SPINDLE
16 M/MIN RAPIDS
SOLID CASTING 23,000 KG

XYZ 3010 HD

TABLE 3,100 x 1,000mm
TRAVEL 3,000 x 1,000 x 800mm
10,000 RPM SPINDLE
16 M/MIN RAPIDS
SOLID CASTING 25,000 KG

Standard Equipment

- Siemens 828D ShopMill Control.
- Coolant System.
- Auto Lubrication System.
- Work Lamp.
- Remote Electronic Handwheel.
- Spindle Air Blast.
- Auto Power Off (M30).
- BT40 Spindle (BT50 optional).
- Heat Exchanger for Electrical Cabinet.
- Rigid Tapping.
- Spindle Oil Cooler.
- Chip Conveyor with Bin.
- Pull Studs.
- Networking.
- USB Port.
- Compact Flash Card Slot.

Optional Equipment

- Through Spindle Coolant.
- Upgrade to BT50.
- Geared Head.
- 4th Axis Rotary Table.
- 5th Axis Rotary Table.
- Offline Programming.
- Renishaw/Heidenhain Toolsetting and Probing.
- Contour Handwheel (wind the handwheel to run through the program).
- Advanced Swarf Management System.
- Coolant Washdown Gun.

Specification	XYZ 2010, 2510, 3010 HD
X Axis Table Travel	2,000 / 2,500 / 3,000mm
Y Axis Table Travel	1,000mm
Z Vertical Travel	800mm
Spindle to Table	185 - 885mm / 185 - 985mm
Table Size	2,200 / 2,700 / 3,100 x 1,000mm
Column Front to Table Centre	600 - 1,600mm
Rapid Feedrate	16 M/min
Cutting Feedrates	1-16,000 MM/min
Ballscrew (Grade C3)	50mm Dia P12
T Slot Size	22mm
T Slot Number & Pitch	8 off @ 125mm Pitch
Slideway Type	Hardened Boxway (6 Slides on Y Axis)
Max Table Load	3,000 / 3,200 / 4,000kg
Toolchanger	30 Station Carousel
Max Tool Diameter (BT40)	77mm
Max Tool Weight (BT40)	7kg
Spindle Speeds	5 - 10,000 rpm (Options Available)
Spindle Motor	23kW (30hp) continuous, 27kW (36hp) 30 minutes, 42kW (56hp) 2.5 minutes in 10
Coolant Tank Capacity	700L / 700L / 1,000L
Machine Weight	20,000 / 23,000 / 25,000kg

HARDENED BOX SLIDWAYS

XYZ UMC-5X

SIEMENS
Touchscreen

HEIDENHAIN
Touchscreen

Conforming to ISO 10791	
Positional accuracy	+/- 5 microns /300mm
Repeatability	+/- 2.5 microns
Circularity over 300mm	6 microns
C Axis Positioning Accuracy	+/- 5 sec



The perfect machining platform for high speed process intensive manufacturing.

5 axis simultaneous.

Stay ahead of the pack with full blown simultaneous 5 axis machining with a UMC. Save hours on machining and set up times, even on simple jobs that are currently done on a 3 axis VMC. To machine 6 sides of a dice requires 6 set ups on a VMC and only 2 on a UMC.

**DIRECT DRIVE
HIGH TORQUE MOTOR**
90 RPM
NO WORM OR WHEEL



Call 01823 674200 to get the full 16 page Technical Brochure.

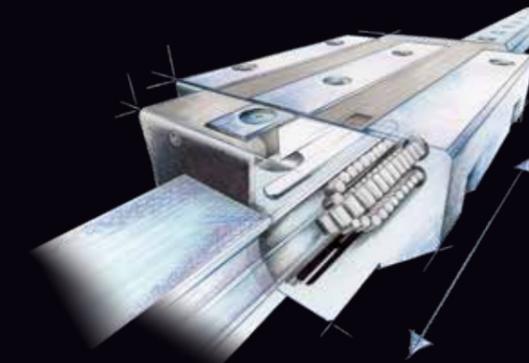
Standard Equipment

- Siemens 840DSL ShopMill Touchscreen (iTNC 640 HSCI Heidenhain Touchscreen optional).
- Front Loading 600mm Diameter Trunnion Rotary Table.
- High Accuracy Rotary Axis Direct Drive High Torque Motor 90 rpm No Worm and Wheel.
- Tilting Axis Servo Worm Drive with Brake +/- 120° (Torque Motor Optional).
- 15,000 rpm In-line Spindle.
- Repeatability +/- 2.5 Microns.
- Linear Scales X Y and Z.
- High Precision Encoders on A and C Axis Pivot Centres.
- High Pressure Through Spindle Coolant System.
- Gantry Frame Machine.
- Thermal Spindle Compensation.
- Dynamic Collision Monitoring.
- Swarf Conveyor and Bin.

Optional Equipment

- 18,000 / 24,000 rpm Built in Spindle.
- Laser Tool Setting.
- 70 Bar Through Spindle Coolant.
- Traori / Kinematic.
- Reference Ball.
- Renishaw Workpiece Probe RMP600.
- Offline Programming.

Specification	XYZ UMC-5X
X Axis Table Travel	600mm
Y Axis Table Travel	600mm
Z Axis Table Travel	500mm
A Axis (Tilt)	+ 120° / -120°
C Rotary Axis	360°
Table Size	600mm Diameter
Max Table Load	600kg
T Slots	7 off @ 75mm Pitch
T Slot Size	14mm
Spindle Speeds	15,000 rpm (Options available)
Rapid Feedrate	36 M/min
Cutting Feedrate	1 - 36,000 MM/min
Toolchanger	60 Station (Optional 24, 30 or 48 ATC)
Spindle Taper	BBT40 (HSK A63 Optional)
Max Tool Length	300mm
Toolchange Time	>2 secs
Coolant Tank Capacity	300L (increased to 570L with 70 Bar TSC)
Through Spindle Coolant	40 Bar (Optional 70 Bar - Requires Roof)
Machine Weight	9,500kg
Footprint	4,495 x 3,875 x 3,000mm



With Linear Roller Bearing Slides

A larger bearing contact area for high speed precision and enhanced stiffness and rigidity

TURNING CENTRES

Along with these three models of 2 Axis Turning Centres, we have a range of two Y axis Turning Centres and a twin/sub spindle Turning Centre with Y axis.

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

XYZ CT 52 LR
PAGE 50



XYZ CT 65 HD
PAGE 51



XYZ TC 400
PAGE 52



Specification	XYZ CT 52 LR	XYZ CT 65 HD	XYZ TC 400
Power Chuck Diameter	150mm	200mm	300mm
Maximum Swing	300mm	400mm	600mm
Swing Over Carriage Cover	220mm	260mm	410mm
Maximum Turned Diameter	180mm	220mm	400mm
Maximum Turned Length	300mm	510mm	600mm
X Axis Travel	165mm	175mm	265mm
Y Axis Travel	N/A	N/A	N/A
Z Axis Travel	315mm	525mm	650mm
Spindle Centre Height from Floor	950mm	1,010mm	1,020mm
Height from floor to spindle centre	960mm	1,050mm	1,220mm
Spindle Nose	A2-5	A2-6	A2-8
Spindle Bore (Drawtube Capacity)	52mm	65mm	91mm (78mm)
Spindle Front Bearing Internal Dia	100mm	110mm	130mm
Spindle Speeds	4,500 rpm	4,000 rpm	3,300 rpm
Spindle Motor	11.2kW (15hp)	17kW (23hp)	32kW (43hp)
Min Speed for Full Power	1,500 rpm	1,500 rpm	1,500 rpm
Rapid Feedrate	20 M/min	20 M/min	20 M/min
Slideway Type	Linear Way	Hardened Box Way	Hardened Box Way
Ballscrew	X = 28mm / Z = 32mm	X = 28mm / Z = 40mm	X = 40mm / Z = 45mm
Servo Motor	8 Nm	X = 8 Nm / Z = 11 Nm	X = 11 Nm / Z = 16 Nm
Toolchanger	10 Station Block (directly mounted tools)	12 Station 30VDI Turret	12 Station 40VDI Turret
Tool Section Size	20 x 20mm	20 x 20mm	25 x 25mm
Max Boring Bar Diameter	32mm	32mm	40mm
Tailstock Quill Taper	N/A	MT4	MT5
Quill Diameter	N/A	60mm	95mm
Quill Travel	N/A	105mm	125mm
Max Quill Thrust	N/A	800kg	2,300kg
Coolant Tank Capacity	80L	100L	115L
Coolant Pump Delivery	30 L/min @ 0.8 Bar	30 L/min @ 0.8 Bar	16 L/min @ 2.5 Bar
Machine Weight	2,000kg	3,600kg	5,700kg
Footprint	1,920 x 1,520 x 2,080mm	3,020 x 2,200 x 2,060mm	2,908 x 2,215 x 2,315mm

For full machine specifications please visit our website. Some specifications may change depending on options.

XYZ 65 LTY-S Twin / Sub Spindle Turning Centre - see page 56

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 Compact Turn 52 LR with 52mm bar capacity. Equipped with the latest Siemens 828D control and with a footprint of only 1.9 x 1.5 metres, the **XYZ CT 52 LR** punches way above its weight and size. This is high level turning production with the minimum of outlay.

XYZ CT 52 LR SIEMENS



Standard Equipment

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

Optional Equipment

- **Swarf Conveyor and Bin.**
- **Parts Catcher.**
- **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.**
- **Oil Skimmer.**
- **Hydraulic 200mm 3 Jaw Chuck.**

Specification	XYZ CT 52 LR
Power Chuck Diameter	150mm
Maximum Swing	300mm
Swing Over Carriage Cover	220mm
Maximum Turned Diameter	180mm
Maximum Turned Length	300mm
X Axis Travel	165mm
Y Axis Travel	N/A
Z Axis Travel	315mm
Spindle Centre Height from Floor	950mm
Height from floor to spindle centre	960mm
Spindle Nose	A2-5
Spindle Bore (Drawtube Capacity)	52mm
Spindle Front Bearing Internal Dia	100mm
Spindle Speeds	4,500 rpm
Spindle Motor	11.2kW (15hp)
Min Speed for Full Power	1,500 rpm
Rapid Feedrate	20 M/min
Slideway Type	Linear Way
Ballscrew	X = 28mm / Z = 32mm
Servo Motor	8 Nm
Toolchanger	10 Station Block (directly mounted tools)
Tool Section Size	20 x 20mm
Max Boring Bar Diameter	32mm
Tailstock Quill Taper	N/A
Quill Diameter	N/A
Quill Travel	N/A
Max Quill Thrust	N/A
Coolant Tank Capacity	80L
Coolant Pump Delivery	30 L/min @ 0.8 Bar
Machine Weight	2,000kg
Footprint	1,920 x 1,520 x 2,080mm

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

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 programming.

XYZ CT 65 HD

SIEMENS
Touchscreen



Standard Equipment

- **Siemens 828D ShopTurn Touchscreen Control.**
- **PLC written by Siemens UK.**
- **Hydraulic 200mm 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 250mm 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.**

Specification	XYZ CT 65 HD
Power Chuck Diameter	200mm
Maximum Swing	400mm
Swing Over Carriage Cover	260mm
Maximum Turned Diameter	220mm
Maximum Turned Length	510mm
X Axis Travel	175mm
Y Axis Travel	N/A
Z Axis Travel	525mm
Spindle Centre Height from Floor	1,010mm
Height from floor to spindle centre	1,050mm
Spindle Nose	A2-6
Spindle Bore (Drawtube Capacity)	65mm
Spindle Front Bearing Internal Dia	110mm
Spindle Speeds	4,000 rpm
Spindle Motor	17kW (23hp)
Min Speed for Full Power	1,500 rpm
Rapid Feedrate	20 M/min
Slideway Type	Hardened Box Way
Ballscrew	X = 28mm / Z = 40mm
Servo Motor	X = 8 Nm / Z = 11 Nm
Toolchanger	12 Station 30VDI Turret
Tool Section Size	20 x 20mm
Max Boring Bar Diameter	32mm
Tailstock Quill Taper	MT4
Quill Diameter	60mm
Quill Travel	105mm
Max Quill Thrust	800kg
Coolant Tank Capacity	100L
Coolant Pump Delivery	30 L/min @ 0.8 Bar
Machine Weight	3,600kg
Footprint	3,020 x 2,200 x 2,060mm

**HARDENED BOX
SLIDEWAYS**

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. Perfect for a subcontractor that doesn't know what job is coming next.

XYZ TC 400

SIEMENS
Touchscreen



Standard Equipment

- **Siemens 828D ShopTurn Touchscreen Control.**
- **PLC written by Siemens UK.**
- **Hydraulic 300mm 3 Jaw Chuck.**
- **Sauter 'German' VDI Turret.**
- **Renishaw 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.**
- **Hydraulic 380mm 3 Jaw Chuck*.**
- **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.**

Specification	XYZ TC 400
Power Chuck Diameter	300mm
Maximum Swing	600mm
Swing Over Carriage Cover	410mm
Maximum Turned Diameter	400mm
Maximum Turned Length	600mm
X Axis Travel	265mm
Y Axis Travel	N/A
Z Axis Travel	650mm
Spindle Centre Height from Floor	1,020mm
Height from floor to spindle centre	1,220mm
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 / Z = 45mm
Servo Motor	X = 11 Nm / Z = 16 Nm
Toolchanger	12 Station 40VDI 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	115L
Coolant Pump Delivery	16 L/min @ 2.5 Bar
Machine Weight	5,700kg
Footprint	2,908 x 2,215 x 2,315mm

* Renishaw Toolsetting arm has to be removed.

**HARDENED BOX
SLIDEWAYS**

TURNING CENTRES WITH Y AXIS

If you require turned and milled components, the addition of the **Y axis and live tooling** means many components that require turning and milling can come off the LTY range almost finished or with a twin/sub spindle machine completely finished.

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

XYZ CT 65 LTY
PAGE 54



XYZ TC 320 LTY
PAGE 55



XYZ 65 LTY-S **TWIN SUB SPINDLE**
PAGE 56



Specification	XYZ CT 65 LTY	XYZ TC 320 LTY
Power Chuck Diameter	200mm	300mm
Maximum Swing	320mm	450mm
Swing Over Carriage Cover	320mm	450mm
Maximum Turned Diameter	220mm	320mm
Maximum Turned Length	490mm	550mm
X Axis Travel	220mm	270mm
Y Axis Travel	70mm (+/- 35mm)	100mm (+/- 50mm)
Z Axis Travel	500mm	600mm
Spindle Centre Height from Floor	1,210mm	1,230mm
Height from floor to spindle centre	1,200mm	1,040mm
Spindle Nose	A2-6	A2-8
Spindle Bore (Drawtube Capacity)	65mm	91mm (78mm)
Spindle Front Bearing Internal Dia	110mm	130mm
Spindle Speeds	4,000 rpm	3,300 rpm
Spindle Motor	17kW (23hp)	32kW (43hp)
Min Speed for Full Power	1,500 rpm	1,500 rpm
Rapid Feedrate	20 M/min	20 M/min
Slideway Type	Hardened Box Way	Hardened Box Way
Ballscrew	X = 28mm / Z = 40mm	X = 40mm / Y = 36mm / Z = 45mm
Servo Motor	X = 8 Nm / Y = 6 Nm / Z = 11 Nm	X = 11 Nm / Y = 11 Nm / Z = 16 Nm
Toolchanger	12 Station 30VDI Turret	12 Station 40VDI Turret
Tool Section Size	20 x 20mm	25 x 25mm
Max Boring Bar Diameter	32mm	40mm
Tailstock Quill Taper	MT4	MT5
Quill Diameter	75mm	95mm
Quill Travel	90mm	125mm
Max Quill Thrust	800kg	2,300kg
Coolant Tank Capacity	160L	200L
Coolant Pump Delivery	30 L/min @ 0.8 Bar	16 L/min @ 2.5 Bar
Machine Weight	4,400kg	6,950kg
Footprint	3,300 x 2,270 x 2,270mm	4,120 x 2,480 x 2,300mm

For full machine specifications please visit our website. Some specifications may change depending on options.

Specification	XYZ 65 LTY-S
Main Spindle	
Main Spindle Motor (built in)	22kW (29.5hp)
Max. Spindle Speed	4,000 rpm
Bar Capacity	66mm
Main Spindle Nose	A2-6
Power Chuck Diameter	200mm
Sub Spindle	
Sub Spindle Motor (built in)	15kW (20hp)
Max Spindle Speeds	5,000 rpm
Sub Spindle Hole Diameter	56mm
Sub Spindle Nose	A2-5
Sub Power Chuck Diameter	150mm
Machine Information	
Swing Over Bed	600mm
Swing Over Cross Slide	400mm
Max Turning Diameter	380mm
Max Turning Length	520mm
Y Axis Travel	+/- 50mm (100mm)
Live Tool Max rpm	5,000 rpm
Number of Tool Stations	12
Tool Size	25 x 25mm
Boring Bar Dia.	40mm
Rapid Feed Rate	X & Z = 20 M/min Y = 15 M/min Z2=24 M/min
X-Axis Ballscrew (Grade C3)	40mm Dia P8
Y-Axis Ballscrew (Grade C3)	36mm Dia P8
Z1-Axis Ballscrew (Grade C3)	45mm Dia P8
Z2-Axis Ballscrew (Grade C3)	40mm Dia P10
Coolant Capacity	180L
Coolant Pump Delivery	40 L/min @ 7 Bar
Weight	6,000kg

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. This solidly built and versatile box way Turning Centre has standard equipment not normally found on machines of this type, including hydraulic chuck, 12 station VDI Sauter Turret, Renishaw tool setting, swarf conveyor and tailstock.

XYZ CT 65 LTY SIEMENS Touchscreen



Standard Equipment

- Siemens 828D ShopTurn Touchscreen Control.
- PLC written by Siemens UK.
- Hydraulic 200mm 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.
- Hydraulic 250mm 3 Jaw Chuck.

Specification	XYZ CT 65 LTY
Power Chuck Diameter	200mm
Maximum Swing	320mm
Swing Over Carriage Cover	320mm
Maximum Turned Diameter	220mm
Maximum Turned Length	490mm
X Axis Travel	220mm
Y Axis Travel	70mm (+/- 35mm)
Z Axis Travel	500mm
Spindle Centre Height from Floor	1,210mm
Height from floor to spindle centre	1,200mm
Spindle Nose	A2-6
Spindle Bore (Drawtube Capacity)	65mm
Spindle Front Bearing Internal Dia	110mm
Spindle Speeds	4,000 rpm
Spindle Motor	17kW (23hp)
Min Speed for Full Power	1,500 rpm
Rapid Feedrate	20 M/min
Slideway Type	Hardened Box Way
Ballscrew	X = 28mm / Z = 40mm
Servo Motor	X = 8 Nm / Y = 6 Nm / Z = 11 Nm
Toolchanger	12 Station 30VDI Turret
Tool Section Size	20 x 20mm
Max Boring Bar Diameter	32mm
Tailstock Quill Taper	MT4
Quill Diameter	75mm
Quill Travel	90mm
Max Quill Thrust	800kg
Coolant Tank Capacity	160L
Coolant Pump Delivery	30 L/min @ 0.8 Bar
Machine Weight	4,400kg
Footprint	3,300 x 2,270 x 2,270mm

HARDENED BOX SLIDEWAYS

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.

XYZ TC 320 LTY

SIEMENS
Touchscreen



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 40VDI 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.

HARDENED BOX SLIDEWAYS

Twin/Sub Spindle Y axis live tool, what more could you want?

The **XYZ 65 LTY-S** is the latest Turning Centre in our 6 machine range. We think one day everyone will want and need this extra productivity. How many jobs do you do that don't need turning on both ends? Once you've tried a twin/sub spindle machine you'll never want a single spindle again.

XYZ 65 LTY-S

TWIN SUB SPINDLE

SIEMENS
Touchscreen



Main and Sub Spindle with Sauter BMT 65 Turret.

Standard Equipment

- **Siemens 828 ShopTurn/ShopMill Touchscreen Control.**
- **200mm Hydraulic Chuck on Main Spindle.**
- **150mm Chuck on Sub Spindle.**
- **Sauter 'German' BMT 65 Turret.**
- **Y Axis.**
- **Live Tooling.**
- **Parts Catcher.**
- **Swarf Conveyor and Bin.**
- **Renishaw Automatic Toolsetting Arm.**
- **C Axis for Complex Contour with Brake.**
- **Box Way Cast Machine.**

Optional Equipment

- **LNS or Hydrafeed Bar Feed Systems.**
- **Sub Spindle Part Ejector.**
- **Collet Chuck.**
- **Contour Handwheel.**
- **Advanced Swarf Management.**
- **Offline Programming.**
- **Siemens CAD Reader.**
- **Part Catcher Extension.**
- **Part Catcher Conveyor.**
- **Polygon Turning.**
- **Hydraulic 250mm 3 Jaw Chuck.**

Specification	XYZ 65 LTY-S
Main Spindle	
Main Spindle Motor (built in)	22kW (29.5hp)
Max. Spindle Speed	4,000 rpm
Bar Capacity	66mm
Main Spindle Nose	A2-6
Power Chuck Diameter	200mm
Sub Spindle	
Sub Spindle Motor (built in)	15kW (20hp)
Max Spindle Speeds	5,000 rpm
Sub Spindle Hole Diameter	45mm
Sub Spindle Nose	A2-5
Sub Power Chuck Diameter	150mm
Machine Information	
Swing Over Bed	600mm
Swing Over Cross Slide	400mm
Max Turning Diameter	380mm
Max Turning Length	520mm
X Axis Travel	210mm
Y Axis Travel	+/- 50mm (100mm)
Z Axis Travel	520mm
Z2 Axis Travel	590mm
Live Tool Max rpm	5,000 rpm
Number of Tool Stations	12
Tool Size	25 x 25mm
Boring Bar Dia.	40mm
Rapid Feed Rate	X & Z =20 M/min Y=15 M/min Z2=24 M/min
X-Axis Ballscrew (Grade C3)	40mm Dia P8
Y-Axis Ballscrew (Grade C3)	36mm Dia P8
Z1-Axis Ballscrew (Grade C3)	45mm Dia P8
Z2-Axis Ballscrew (Grade C3)	40mm Dia P10
Coolant Capacity	180L
Coolant Pump Delivery	40 L/min @ 7 Bar
Weight	6,000kg

HARDENED BOX SLIDEWAYS

EXTRA LARGE & OIL COUNTRY LATHES

Heavy duty machines built to handle the toughest of work. 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.



Specification	XYZ XL 780	XYZ XL 1100	XYZ XL 1200	XYZ XL 1500	XYZ OIL COUNTRY (310 / 420mm Bore)
Swing Over Bed	780mm	1,100mm	1,200mm	1,500mm	1,100mm
Swing Over Cross Slide	535mm	750mm	820mm	1,120mm	750mm
Cross Slide Travel	430mm	550mm	750mm	750mm	550mm
Distance Between Centres	3,000mm	1,000 - 6,000mm	1,000 - 10,000mm	1,000 - 10,000mm	1,000 - 10,000mm
Spindle Bore	160mm	165mm	165mm	165mm	310mm / 420mm
Spindle Nose	A2-11	A2-11	A2-11	A2-11	A2-20 / A2-28
Spindle Taper	MT7 in bush	MT7	MT7	MT7	MT7
Spindle	32kW (43hp)	70kW (94hp)	70kW (94hp)	70kW (94hp)	70kW (94hp)
Spindle Speeds	20 - 1,300 rpm	20 - 660 rpm	20 - 660 rpm	20 - 660 rpm	20 - 400 rpm / 20 - 250 rpm
Tailstock Travel	200mm	230mm	330mm	330mm	230mm
Tailstock Taper	MT6	MT6	MT6	MT6	MT6
Tailstock Diameter	105mm	115mm	140mm	140mm	115mm
Bed Width	500mm	558mm	692mm	692mm	558mm
Chuck Only Weight Capacity	N/A	1,000kg	1,500kg	1,500kg	1,000kg
Chuck & Tailstock Weight Capacity	N/A	4,000kg	4,000kg	4,000kg	4,000kg
Chuck, Steady & Tailstock Weight Capacity	N/A	7,000kg	6,000kg	6,000kg	7,000kg
Footprint	5,400 x 2,300 x 2,100mm	4,070 x 2,300 x 2,100mm	4,180 x 2,500 x 2,300mm	4,280 x 2,500 x 2,400mm	4,280 x 2,500 x 2,400mm
Machine Weight	8,600kg	8,000kg (add 1,100kg per extra metre)	9,600kg (add 1,400kg per extra metre)	10,000kg (add 1,400kg per extra metre)	10,000kg (add 1,400kg per extra metre)

For full machine specifications please visit our website. Some specifications may change depending on options.

XYZ XL and Oil Country Lathes.

XYZ XL 780

SIEMENS
Touchscreen

ALSO AVAILABLE WITH
ProtoTRAK®
See page 32



XYZ XL 1100

SIEMENS
Touchscreen



Standard Equipment

- Siemens 828D ShopTurn Touchscreen Control.
- Various Chuck Sizes Depending on Machine.
- 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.

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 Brake.

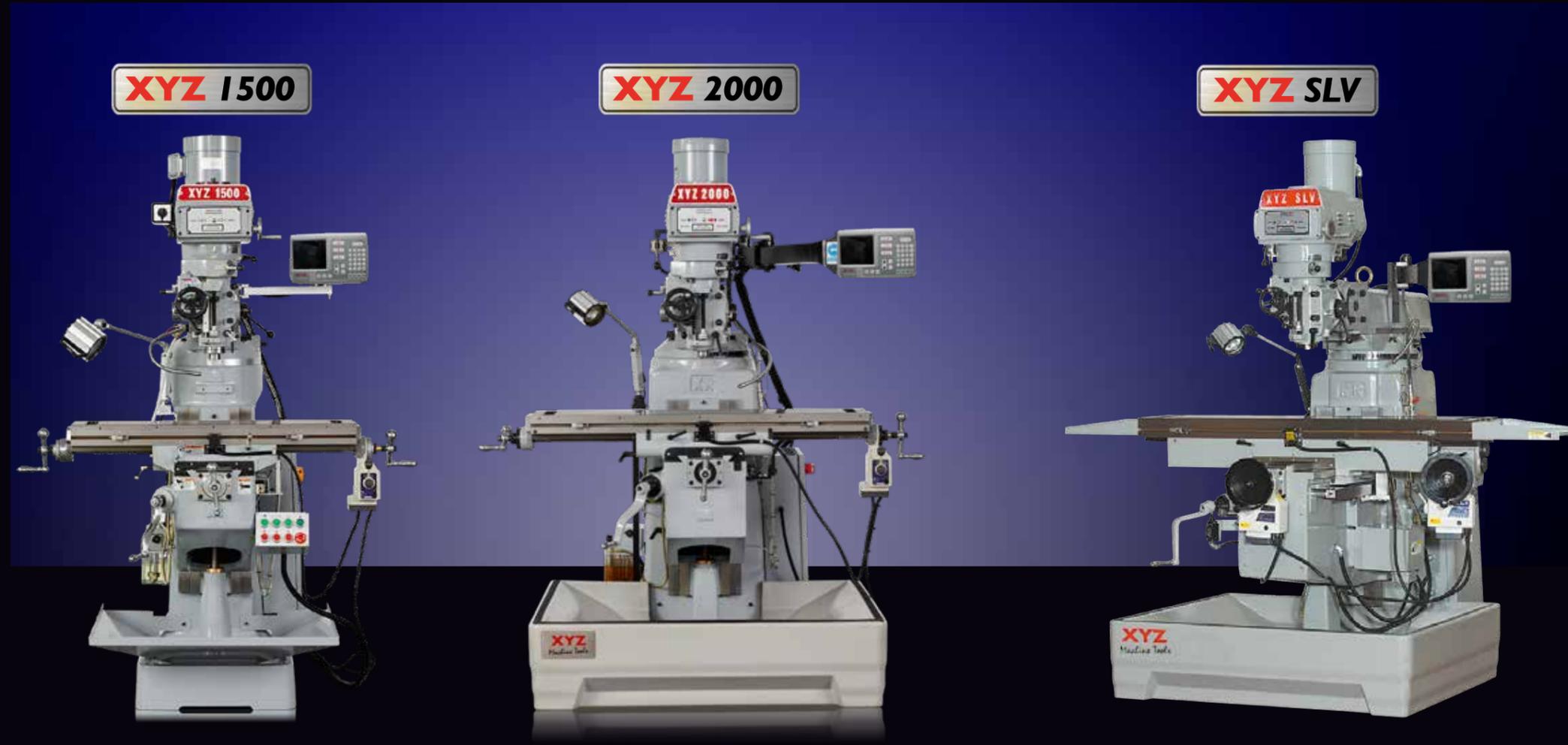


MANUAL TURRET MILLS & LATHES

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.

In the last 40 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 machines on pages 9 to 26.

Specification	XYZ 1500	XYZ 2000	XYZ SLV
Spindle	2.25kW (3hp)	2.25kW (3hp)	3.75kW (5hp)
Spindle Speeds	50 - 3,500 rpm	75 - 4,200 rpm	70 - 3,600 rpm
Table Size	1,069 x 228mm	1,270 x 254mm	1,473 x 305mm
T Slot Size	16mm	16mm	16mm
T Slots	3 off	3 off	3 off
X Axis Table Travel	610mm	750mm	1,000mm
Y Axis Table Travel	305mm	384mm	410mm
Knee Vertical Travel	362mm	406mm	413mm - Powered
Ram Travel	390mm	450mm	450mm
Spindle Taper	R8 (ISO30 Optional)	R8 (ISO30 Optional)	ISO40

For full machine specifications please visit our website. Some specifications may change depending on options.

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.
- Auto Lubrication.

Optional Equipment

- Fibreglass Swarf Tray for XYZ 1500 (Standard on XYZ 2000 and XYZ SLV).
- Interlocked Swing and Slide Guarding.
- 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.

XYZ 1330 TRAINER

XYZ 1340 TRAINER



Specification	XYZ 1330 Trainer	XYZ 1330 VS Trainer	XYZ 1340 Trainer	XYZ 1340 VS Trainer
Swing Over Bed	330mm	330mm	330mm	330mm
Swing in Gap	510mm (Opt)	510mm (Opt)	510mm (Opt)	510mm (Opt)
Gap in front of Faceplate	150mm (Opt)	150mm (Opt)	150mm (Opt)	150mm (Opt)
Swing over Cross Slide	190mm	190mm	190mm	190mm
Distance between Centres	750mm	750mm	1,000mm	1,000mm
Cross Slide Travel	145mm	145mm	145mm	145mm
Spindle	2.25kW (3hp)	2.25kW (3hp)	2.25kW (3hp)	2.25kW (3hp)
Spindle Speeds	53 - 2,000 rpm	40 - 2,500 rpm	53 - 2,000 rpm	40 - 2,500 rpm
Spindle Nose	D1-4	D1-4	D1-4	D1-4
Spindle Bore	35mm	35mm	35mm	35mm

For full machine specifications please visit our website. Some specifications may change depending on options.

Standard Equipment

- 3 Jaw Self Centering Chuck.
- Quick Change Toolpost with 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 Position Bed Stop.
- GAP Bed (standard on XYZ 1500 series lathes).

XYZ 1530 VS

XYZ 1550 VS



Specification	XYZ 1530 VS Trainer	XYZ 1550 VS Trainer
Swing Over Bed	390mm	390mm
Swing in Gap	610mm	610mm
Gap in front of Faceplate	150mm	150mm
Swing over Cross Slide	240mm	240mm
Distance between Centres	730mm	1,230mm
Cross Slide Travel	230mm	230mm
Spindle	5.75kW (7.5hp)	5.75kW (7.5hp)
Spindle Speeds	20 - 2,500 rpm	20 - 2,500 rpm
Spindle Nose	D1-6	D1-6
Spindle Bore	54mm	54mm

For full machine specifications please visit our website. Some specifications may change depending on options.

Standard Equipment

- 3 Jaw Self Centering Chuck.
- Quick Change Toolpost with 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.
- 5 Position Bed Stop.

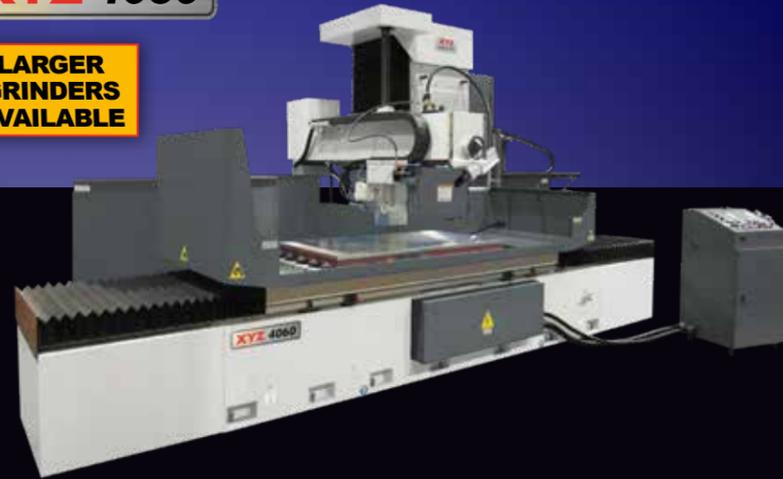
GRINDERS

XYZ 1020



XYZ 4060

LARGER GRINDERS AVAILABLE



Specification	XYZ 1020	XYZ 1224	XYZ 1632	XYZ 2040	XYZ 2060	XYZ 2480
Magnetic Chuck Size	250 x 500mm	300 x 600mm	406 x 812mm	500 x 1,000mm	500 x 1,500mm	600 x 2,000mm
Max Grinding Length	500mm	600mm	800mm	1,000mm	1,500mm	2,000mm
Max Grinding Width	250mm	300mm	400mm	500mm	500mm	600mm
Max table surface to spindle centre	500mm	500mm	550mm	600mm	600mm	760mm
Longitudinal Travel (Hydraulic)	550mm	650mm	860mm	1,150mm	1,650mm	2,150mm
Longitudinal Feeds	5 - 25 M/min	5 - 25 M/min	5 - 25 M/min	5 - 25 M/min	5 - 25 M/min	5 - 25 M/min
Cross Travel	270mm	350mm	450mm	550mm	550mm	660mm
Cross Travel - Auto Increment	0.1 - 12mm	0.5 - 20mm	0.5 - 20mm	0.5 - 20mm	0.5 - 20mm	0.5 - 20mm
Cross Feed Travel per Revolution	5mm	5mm	5mm	5mm	5mm	5mm
Cross Feed Handle Graduation	0.02mm	0.02mm	0.02mm	0.02mm	0.02mm	0.02mm
Down Feed Travel per Revolution	2mm	2mm	2mm	N/A (MPG)	N/A (MPG)	N/A (MPG)
Down Feed Handle Graduation	0.01mm	0.01mm	0.01mm	0.01mm (MPG)	0.01mm (MPG)	0.01mm (MPG)
Spindle	1.5kW (2hp)	3.75kW (5hp)	3.75kW (5hp)	7.5kW (10hp)	7.5kW (10hp)	7.5kW (10hp)
Spindle Speeds	3,000 rpm	1,450 rpm	1,450 rpm	1,450 rpm	1,450 rpm	1,450 rpm
Hydraulic Motor Power	1hp	1hp	2hp	3hp	3hp	5hp
Grinding Wheel Diameter	180mm	355mm	405mm	405mm	405mm	405mm
Grinding Wheel Width	12mm (19mm Max)	38mm	50mm	50mm	50mm	50mm
Grinding Wheel Bore	31.75mm	127mm	127mm	127mm	127mm	127mm
Machine Weight	1,550kg	1,700kg	2,300kg	5,700kg	7,200 kg	8,700kg

For full machine specifications please visit our website. Some specifications may change depending on options.

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 Downfeed.

SMALL MACHINES AND TOOLING

Download the latest Tooling Guide from the website at <https://newspares.xyzmachinetools.com/>

XYZ FAST TAP



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 stainless steel.

Specification	FT 1000	FT 800	FT 400	FT 200	FT 90
Max Capacity in Steel	M6	M10	M12	M16	M24
Max Capacity in Aluminium	M8	M12	M14	M24	M12
Speed (No Load)	1,000 rpm	700 rpm	300 rpm	250 / 800 rpm	90 / 250 rpm
Air Pressure Required	90 psi 20 CFM	90 psi 26 CFM	90 psi 26 CFM	90 psi 30 CFM	90 psi 30 CFM
Noise Max	85.0 dBA	85.1 dBA	84.2 dBA	84.1 dBA	84.1 dBA

For full machine specifications please visit our website. Some specifications may change depending on options.

XYZ 260

HORIZONTAL BANDSAW.

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



Specification	XYZ 260
Capacity	260mm Round Bar
Motor	1.5kW (2hp)
Feeds	21, 34, 43, 60 M/min
Blade Size	25 x 0.9 x 3,300mm
Footprint	1,730 x 760 x 1,130mm
Weight	390kg

CNC 4TH AXIS.

CNC 4th Axis for the XYZ VMC range.

For more information see pages 33 to 50.

GSA Model	I20R	I71R	251R
Diameter	120mm	170mm	250mm
Centre Height	115mm	135mm	185mm
Centre Bore	30mm	35mm	70mm
Maximum Load	35kg	100kg	150kg
Maximum rpm	33.3 rpm	22.2 rpm	22.2 rpm
Weight	28kg	70kg	124kg



Kitagawa EUROPE 4th axis rotary tables with controller for ProtoTRAK® RMX bed mills.

Kitagawa NCRT model	MR120	MR160	MR200	MR250
Faceplate Diameter	Ø128	Ø165	Ø202	Ø250
Chuck Diameter	Ø130	Ø165	Ø190	Ø232
Centre Height	120	140	140	180
Faceplate Register	Ø50H7	Ø50H7	Ø65H7	Ø100H7
Through Bore	Ø32	Ø40	Ø45	Ø70
Max Load Horizontal	120kg	160kg	200kg	250kg
Max Load Vertical	60kg	80kg	100kg	125kg
Max rpm	50 rpm	41.6 rpm	33.3 rpm	33.3 rpm
Max Clamping Torque	150 Nm	310 Nm	350 Nm	600 Nm
Weight	33kg	41kg	61kg	85kg



Kitagawa EUROPE TT 4th 5th axis rotary tables.

Kitagawa NCRT model	TT101	TT140	TT150	TT182	TT200	TT251
Faceplate Diameter	Ø110	Ø140	Ø150	Ø180	Ø200	Ø250
Chuck Diameter	Ø110	Ø130	Ø165	Ø165	Ø190	Ø232
Centre Height	140	200	150	180	180	225
Faceplate Register	Ø50H7	Ø60H7	Ø60H7	Ø65H7	Ø65H7	Ø100H7
Through Bore	Ø32	Ø32	Ø40	Ø40	Ø40	Ø70
Max Load Horizontal	35kg	50kg	50kg	60kg	60kg	100kg
Max Load Tilted	20kg	30kg	30kg	40kg	40kg	60kg
Max rpm Rotate Axis	41.6 rpm	41.6 rpm	41.6 rpm	33.3 rpm	33.3 rpm	33.3 rpm
Max rpm Tilt Axis	25 rpm	16.6 rpm	16.6 rpm	16.6 rpm	16.6 rpm	16.6 rpm
Max Clamping Torque Rotate	180 Nm	280 Nm	350 Nm	450 Nm	600 Nm	900 Nm
Max Clamping Torque Tilt	300 Nm	500 Nm	550 Nm	800 Nm	1,200 Nm	1,200 Nm
Weight	73kg	158kg	141kg	163kg	170kg	260kg

All dimensions in millimeters unless stated otherwise



NIKKEN 5th axis rotary tables.

Specification	5AX-201	5AX-250
Diameter of Table Ømm	200	250
Diameter of Spindle Hole Ømm	Ø60H7 Ø50	Ø60H7 Ø50
Centre Height mm	180	250
Width of T Slot mm	12	17
Axis	Rotary	Tilting (0°~105°)
Clamping System	(Air) / Hyd	(Air) / Hyd
Clamping Torque Nm	(303) / 588	(303) / 612
Min. Increment	0.001°	0.001°
Rotation Speed min -1	22.2	16.6
Total Reduction Ratio	1/90	1/120
Driving Torque Nm	72	144
MAX work load on the table (Vertical, Horizontal)	60kg	40kg
Net Weight	160kg	290kg

All dimensions in millimeters unless stated otherwise



Thinking of buying a new machine tool? Make sure you have the right support.



- **Operates from 6 UK sites**
From Scotland to Tiverton in Devon.
- **18 UK Service Engineers**
All fully trained, equipped and operational.
- **UK Application Trainers**
Get even more from your controls with expert training.
- **Parts Department**
18,000 sq ft with over £2.5 million parts in stock.
- **Warranties**
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- **Programming Helplines**
Free access from real people who know.
- **Peace of mind**
We're here to support you.
- **Servicing and Spares**
Immediately available online or by phone for next day delivery.

UK Service Teams



18 XYZ service vans all fully equipped with tools, spares and a qualified XYZ trained service engineer.

Support Helplines



Whether it's programming help or service advice we have experts on hand who know what you need.

Parts Department



18,000 sq ft of stores with £2.5 million in stock, we have the part you need.

80+ machines a month



With over 300 machines in UK stock and over 25,000 in the field since 1984.

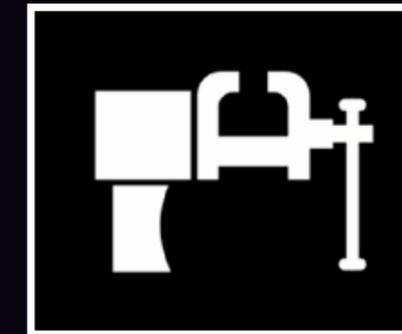
The XYZ Servicing Handbook

Your personal passport to stress-free machine tool operation.



SPARES & TOOLING

Making sure your new XYZ machine tool is always in production is as important to us as it is to you, that's why we always ensure that we carry spares for the entire current and past ranges. We have 25,000 machines in use in the UK and with over £2 million in spare parts in stock we should be able to ship any spare the same day.



Tooling

We carry a range of vices, clamp kits, 4th axis rotary tables and other machine accessories.



Spares

We stock spares for every machine we have ever sold. Take a look online or email parts@xyzmachinetools.com with any questions. <https://newspares.xyzmachinetools.com/>.



Machine Tooling

We work closely with Ceratizit in the UK and can offer discounted tooling vouchers and provide you with better technical help. We're good at Machine Tools, they're good at Tooling!





Now you could pay up to zero tax on the purchase of any new XYZ machine tool with the UK governments increased Capital Investment Allowance.

Talk to your XYZ Area Salesman to see how this could affect your next purchase.

The Government tried to encourage investment with a Super Deduction Tax.

This has now been dropped and in place they have given us an increased Corporation Tax that makes it difficult not to see the massive logic other than to invest in New Capital Equipment.

There is no longer a single Corporation Tax Rate. Rates are :-

- 19% for profits less than £50,000.
- A sliding rate of 19% to 25% for profits between £50,000 and £250,000.
- 25% for profits over £250,000.

Here's what you need to know

- Main Rate Corporation Tax 2023-2024 has increased by 6% from 19% to 25%.
- For every £10,000 profit you make HMRC will take between £1,900 & £2,500.
- So, if you make £100K you will pay at least £19K tax UNLESS you bought some qualifying item like NEW Machine Tools. Then if you spent £100K on a machine tool you would pay ZERO TAX on the £100K.
- No limit on the investment.
- Whether purchased outright or on HP, the purchase qualifies.

Let's break it down on a £50,000 machine purchase

£50K purchase = £50K Tax Relief so ZERO TAX on this expense
If you save the £50K and don't buy anything you will pay between £9,500 to £12,500 tax on the profit.

This means you save 19% - 25% on NEW Machines in year 23-24 courtesy of HMRC. 😊

Tax Issues should always be discussed with a qualified accountant, as individual circumstances can vary. XYZ are not responsible for any tax implications or costs.

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, Burlacombe, 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's 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 LONDON

912 Yeovil Road, Slough Trading Estate,
Slough, SL1 4JG

XYZ NUNEATON

5/6 Tungsten Court, Hemdale Business Park,
Nuneaton, CV11 6GZ

XYZ SHEFFIELD (Ceratzit Showroom)

Advanced Manufacturing Park, Unit 15, Whittle Way,
Sheffield, S60 5BL

XYZ HUDDERSFIELD

Innovation 25, Unit 7, Bradley Business Park,
Dyson Wood Way, Huddersfield, HD2 1ZT

XYZ LIVINGSTON

Unit 7, Nasmyth Court, Houstoun Industrial Estate,
Livingston, EH54 5EG



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Book a **Desktop Demo** in the comfort of your office or a **Machine Tool Demo** at any of the 6 **XYZ UK Showrooms**.



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