

XYZ ProTURN® Lathes - time proven quality

Control

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

Guarding

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

Headstock

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

Swarf Tray

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

Tailstock

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

Cast Bed & Base

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



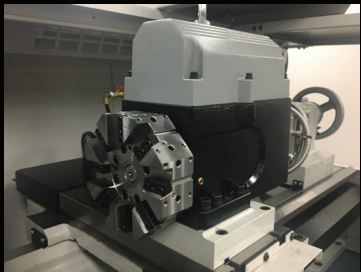
XYZ PROTURN RLX 555 3 metre Gap Bed Lathe

TRAKing®

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

Saddle & Apron

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



**8 Station Turret**  
*If you're considering buying a large turning centre fitting an 8 station turret to a large/longbed ProTURN could give you very similiar results at a fraction of the price. Perhaps 80% of the performance at 30% of the price.*

XYZ PROTURN RLX 1630

SWING OVER BED 400mm  
SPINDLE BORE 54mm  
DISTANCE BETWEEN CENTRES 760mm  
MAX 2500 RPM



Standard Equipment

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

Optional Equipment

4 Station Auto Indexing Toolpost.  
Faceplates, Steadies, Chucks and Collet Chucks.  
Offline Software.  
Adjustable Back Stop.  
DXF Converter.

	XYZ RLX 1630
Swing over bed mm	400 mm
Swing in gap	not applicable
Gap in front of faceplate	not applicable
Swing over cross slide	218 mm
Cross Slide travel	216 mm
Distance between centres	760 mm
Maximum cutting length	760 mm
Spindle bore	54 mm
Spindle nose	D1-6 camlock
Spindle taper	MT4 in bush
Spindle motor	5.75 Kw (7.5 hp)
Spindle speeds	150-2500 rpm
Tailstock travel	127 mm
Tailstock taper	MT4
Tailstock diameter	60 mm
Bed width	320 mm
Footprint L x D x H	2090 x 1260 x 1800 mm
Weight	1750 kg

See the videos at [www.xyzmachinetools.com](http://www.xyzmachinetools.com)



**ProtoTRAK CNC made easy**  
Designed from the ground up to be the easy to use CNC.  
**1 min 22 sec**



## XYZ PROTURNS RLX 355

SWING OVER BED 360mm  
SPINDLE BORE 52mm  
DISTANCE BETWEEN CENTRES 1000mm  
MAX 4000 RPM



### Standard Equipment

TRAKing®.  
Constant Surface Speed.  
Verify Solid Model Graphics.  
2 Speed Headstock.  
Rapid Traverse with Joy Stick.  
3 Jaw Chuck 200mm.  
Quick Change Toolpost and 6 Holders.  
Centres and Bushes.  
Air Assisted Floating Tailstock.  
Interlocked Chuck Guard and Main Guard.  
Auto Lubrication.  
Coolant.  
Worklight.

### Optional Equipment

4 or 8 Station Auto Indexing Toolposts.  
Faceplates Steadies Chucks.  
and Collet Chucks.  
Offline Software.  
Adjustable Back Stop.  
DXF Converter.  
Drilling Attachment.  
Swarf Conveyor.

	XYZ RLX 355
Swing over bed	360 mm
Swing in Gap	not applicable
Gap in front of faceplate	not applicable
Swing over cross slide	225 mm
Cross Slide Travel	185 mm
Distance between centres	1000 mm
Maximum cutting length	900 mm
Spindle bore	52 mm
Spindle nose	D 1-6 camlock
Spindle taper	MT4 in bush
Spindle motor	5.75 Kw (7.5 hp)
Spindle speeds	50-4000 rpm - 2 ranges
Tailstock Travel	150 mm
Tailstock taper	MT 4
Tailstock diameter	60 mm
Bed Width	300 mm
Footprint L x D x H	2300 x 1370 x 1810 mm
Weight	2150 kg

## XYZ PROTURNS RLX 425

AVAILABLE AS A 1.25 AND 2 METRE GAP BED LATHE  
SWING OVER BED 480mm  
SPINDLE BORE 80mm  
DISTANCE BETWEEN CENTRES 1250 & 2000mm  
MAX 2500 RPM



XYZ ProTURN RLX 425 x 2 metre

### Standard Equipment

TRAKing®.  
Constant Surface Speed.  
Verify Solid Model Graphics.  
3 Speed Headstock.  
Rapid Traverse with Joy Stick.  
3 Jaw Chuck 250mm.  
Quick Change Toolpost and 6 Holders.  
Centres and Bushes.  
Air Assisted Floating Tailstock.  
Interlocked Chuck Guard and Main Guard.  
Auto Lubrication.  
Coolant.  
Worklight.

### Optional Equipment

4 or 8 Station Auto Indexing Toolposts.  
Faceplates, Steadies, Chucks  
and Collet Chucks.  
Offline Software.  
Adjustable Backstop.  
DXF Converter.  
Drilling Attachment.  
Swarf Conveyor.

	XYZ RLX 425
Swing over bed	480 mm
Swing in gap	700 mm
Gap in front of faceplate	170 mm
Swing over cross slides	257 mm
Cross Slide travel	230 mm
Distance between centres	1250 / 2000 mm
Maximum cutting length	1080 / 1900 mm
Spindle bore	80 mm
Spindle nose	D 1-8 camlock
Spindle taper	MT7 in bush
Spindle motor	7.5 kw (10 hp)
Spindle speeds	25-2500 rpm - 3 ranges
Tailstock travel	160 mm
Tailstock taper	MT 5
Tailstock diameter	75 mm
Bed width	370 mm
Footprint L x D x H	2600/3450 x 1460 x 1810mm
Weight	2950 / 3950 kg

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**ProtoTRAK on the lathe**  
From small lathes up to 3 metres between centres lathes.  
**1 min 55 sec**

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XYZ PROTURNSRLX 555

1 and 1.75 METRE GAP BED LATHE  
SWING OVER BED 560mm  
SPINDLE BORE 104mm  
DISTANCE BETWEEN CENTRES 1000 or 1750mm  
MAX 1800 RPM

Standard Equipment

TRAKing®.  
Constant Surface Speed.  
Verify Solid Model Graphics.  
2 Speed Headstock.  
Rapid Traverse with Joy Stick.  
3 Jaw Chuck 315mm.  
Quick Change Toolpost and 6 Holders.  
Centres and Bushes.  
Air Assisted Floating Tailstock.  
Interlocked Chuck Guard and Main Guard.  
Auto Lubrication.  
Coolant.  
Worklight.

Optional Equipment

4 or 8 Station Auto Indexing Toolposts.  
Faceplates, Steadies, Chucks  
and Collet Chucks.  
Offline Software.  
Adjustable Backstop.  
DXF Converter.  
Drilling Attachment.  
Swarf Conveyor.

	XYZ RLX 555- 1 and 1.75 metre
Swing over bed	560 mm
Swing in gap	780 mm
Gap in front of faceplate	227 mm max
Swing over cross slide	350 mm
Cross Slide travel	280 mm
Distance between centres	1000 / 1750 mm
Maximum cutting length	900 / 1650 mm
Spindle bore	104 mm
Spindle nose	D 1-11 camlock
Spindle taper	MT7 in bush
Spindle motor	11 Kw (15hp)
Spindle speeds	30-1800 rpm - 2 ranges
Tailstock travel	160 mm
Tailstock taper	MT 5
Tailstock diameter	90 mm
Bed width	370 mm
Footprint L x D x H	2600 / 3450 x 1570 x 1910 mm
Weight	3200 / 4100 kg

XYZ PROTURNSRLX 555

3 METRE GAP BED LATHE  
SWING OVER BED 560mm  
SPINDLE BORE 104mm  
DISTANCE BETWEEN CENTRES 3000mm  
MAX 1800 RPM

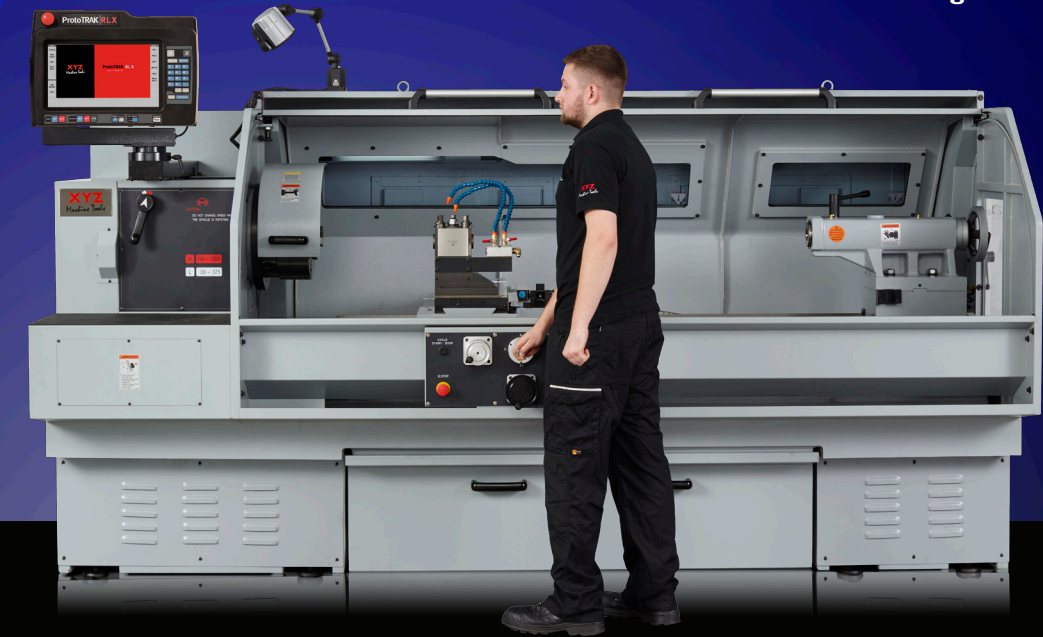
Standard Equipment

TRAKing®.  
Constant Surface Speed.  
Verify Solid Model Graphics.  
2 Speed Headstock.  
Rapid Traverse with Joy Stick.  
3 Jaw Chuck 315mm.  
Quick Change Toolpost and 6 Holders.  
Centres and Bushes.  
Air Assisted Floating Tailstock, with  
towing hitch.  
Interlocked Chuck Guard and Main  
Guard.  
Auto Lubrication.  
Coolant.  
Worklight.

Optional Equipment

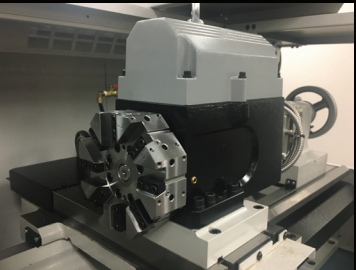
4 or 8 Station Auto Indexing Toolposts.  
Faceplates, Steadies, Chucks  
and Collet Chucks.  
Offline Software.  
Adjustable Backstop.  
DXF Converter.  
Drilling Attachment.  
Swarf Conveyor.

	XYZ RLX 555- 3 metre
Swing over bed	560 mm
Swing in gap	935 mm
Gap in front of faceplate	297 mm max
Swing over cross slide	350 mm
Cross Slide travel	290 mm
Distance between centres	3000 mm
Maximum cutting length	2900 mm
Spindle bore	104 mm
Spindle nose	D 1-11 camlock
Spindle taper	MT7 in bush
Spindle motor	11 Kw (15hp)
Spindle speeds	30-1800 rpm - 2 ranges
Tailstock travel	200 mm
Tailstock taper	MT 6
Tailstock diameter	105 mm
Bed width	500 mm
Footprint L x D x H	5260 x 2010 x 1910 mm
Weight	6600 kg



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