

XYZ ProtoTRAK® RMX Bed Mill

Motor / Head

All RMX Bed Mills have programmable spindle speed and are driven by AC motors with drive to the spindle cartridge, transmitting power through non-slip latest technology Polygrip Vee belts and pulleys. The lifetime lubricated and dynamically balanced spindle cartridge ensures smooth and accurate cutting performance even at high speeds.

Solid Casting

Built of solid Meehanite ribbed cast iron with induction hardened and ground slides. Turcite-B coated ways and auto lubrication to all slides and precision ground ballscrews aid accuracy and longevity.

TRAKing®

RMX Bed Mills have the TRAKing facility as an option 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 hand wheel and the machine does the same.

Control

The latest generation of ProtoTRAK RMX three-axis 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.



Guards removed for clarity

Servo's & Ballscrews

High performance digital servo motors are built into the casting to protect them from the harsh machine shop environment. These

high performance servo's provide smooth, consistent power to the precision ground ballscrews to give a perfect milled finish.

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 40-5000 rpm are standard and TRAKing is available as an option on all models.



XYZ RMX 2500

3HP PROGRAMMABLE VARIABLE SPEED HEAD
49" x 9" (1245 x 228mm) TABLE
30" x 15" x 22" (762 x 381 x 560mm) TRAVEL
5000 RPM SPINDLE

Standard Equipment

- Vari Speed 2 Range Head.
- Hardened and Ground Ways.
- 3 Axis DRO.
- 2 or 3 Axis CNC.
- Precision Ground Ballscrews.
- Coolant.
- Air Drawbar
- Work Light.
- Auto Lubrication.
- Interlocked Guarding.

Optional Equipment

- Riser Blocks.
- Offline Software.
- Tooling, Vices etc.
- DXF Converter.
- Parasolid Converter.

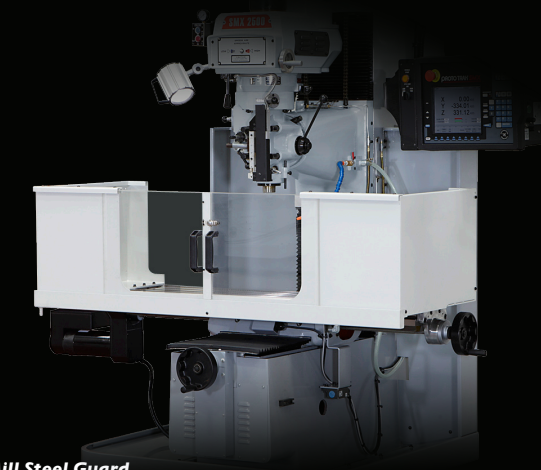


XYZ RMX 3500

5HP PROGRAMMABLE VARIABLE SPEED HEAD
54" x 14" (1370 x 356mm) TABLE
31" x 20" x 20" (787 x 508 x 508mm) TRAVEL
PROGRAMMABLE 5000 RPM SPINDLE

Guarding

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



Bed Mill Steel Guard



XYZ RMX 4000

7.5HP PROGRAMMABLE VARIABLE SPEED HEAD
58" x 14" (1470 x 356mm) TABLE
40" x 23 1/2" x 23" (1016 x 596 x 584mm) TRAVEL
PROGRAMMABLE 5000 RPM SPINDLE



XYZ RMX 5000

7.5HP PROGRAMMABLE VARIABLE SPEED HEAD
76" x 14" (1930 x 356mm) TABLE
60" x 23 1/2" x 23" (1524 x 596 x 584mm) TRAVEL
PROGRAMMABLE 5000 RPM SPINDLE

	XYZ RMX 2500	XYZ RMX 3500	XYZ RMX 4000	XYZ RMX 5000
Spindle Drive Motor	2.2 Kw (3 HP)	3.75 Kw (5 HP)	5.75 Kw (7.5 HP)	5.75 Kw (7.5 HP)
Speed range	40-5000 rpm programmable	40-5000 rpm programmable	40-5000 rpm programmable	40-5000 rpm programmable
2 Speed ranges	40-600 / 300-5000 rpm	40-600 / 300-5000 rpm	40-600 / 300-5000 rpm	40-600 / 300-5000 rpm
Table size	1245 X 228 mm	1372 x 356 mm	1474 x 356 mm	1930 x 356 mm
T slots	15.9 mm 3 off	15.9 mm 4 off	15.9 mm 4 off	15.9 mm 4 off
Longitudinal travel X axis	762 mm	787 mm	1016 mm	1524 mm
Cross travel Y axis	381 mm	508 mm	596 mm	596 mm
Head vertical travel Z axis	560 mm	500 mm <small>Can be extended to 530mm but this restricts Y axis travel to 480mm.</small>	584 mm	584 mm
Spindle taper	R8 / 30 ISO optional	40 ISO	40 ISO	40 ISO
Quill power feeds	.038 .076 .15 mm	.038 .076 .15 mm	.038 .076 .15 mm	.038 .076 .15 mm
Quill travel	127 mm	127 mm	140 mm	140 mm
Quill diameter	85.7 mm	105 mm	116 mm	116 mm
Max table load	600 kg	600 kg	850 kg	850 kg
Head tilt left to right	45°-45°	45°-45°	45°-45°	45°-45°
Throat depth	460 mm	520 mm	610 mm	610 mm
Net weight approx	1900 kg	2350 kg	3200 kg	3500 kg