

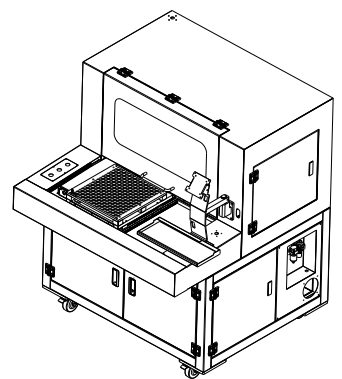
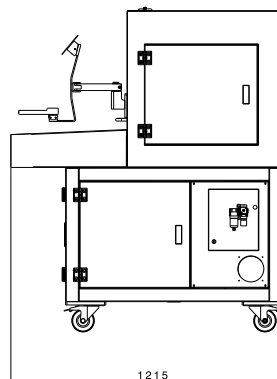
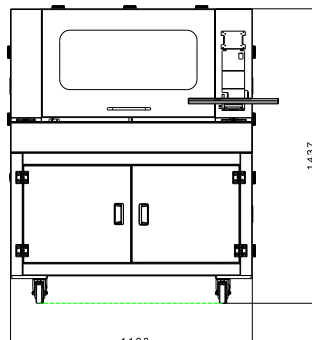
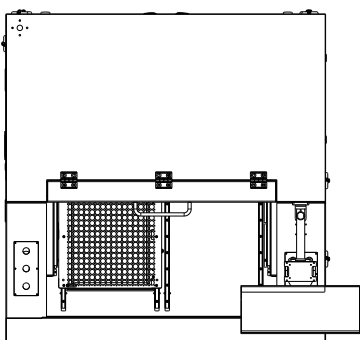
REXSATRONIX

P C B Router Machine RMPL-PR



FEATURES:

- ➔ **High-Speed Precision Routing:** Powered by a high-speed Nakanishi or Sycotec spindle, the RMPL-PR delivers burr-free, low-stress routing at up to 60,000 RPM, ensuring top-quality cuts.
- ➔ **Rotary Dual-Platform Design:** The enables operators to load and unload PCBs on one station while routing continues on the other maximizing throughput with zero idle time.
- ➔ **Panasonic Servo Motion System:** Equipped with precision Panasonic servo motors and drives, the machine ensures smooth, accurate movements and consistent cutting performance.
- ➔ **Basler Vision-Based Programming:** The onboard Basler industrial camera captures a high-resolution image of the PCB. Using this image, users can define routing paths visually and detect fiducials for automatic alignment enabling intuitive programming and rapid setup.
- ➔ **Bit Monitoring & Step-Down System:** Monitors spindle bit wear and detects breakage in real-time. The 3-step bit usage system automatically adjusts bit height for extended tool life and cutting accuracy.
- ➔ **Safe, Clean Operation:** A Keyence safety curtain, door interlock, and external dust collector ensure both operator safety and a clean, debris-free working environment.



KEY HIGHLIGHTS:

- » Spindle Options: Nakanishi / Sycotec (Customer Selectable).
- » Spindle Speed: Up to 60,000 RPM.
- » Servo Motion: Panasonic Servo Motors & Drives.
- » Platform: Rotary (rotary-type) for continuous operation.
- » Vision System: Basler industrial camera for PCB image scanning and fiducial recognition.
- » Bit Monitoring: Real-time tool life tracking, breakage detection & 3-step bit step-down.
- » Safety: Keyence Safety Curtain + Door Interlock.
- » Dust Collection: External high-efficiency vacuum unit.
- » Optional: Auto Tool Change, MES Integration, Barcode Scanner.

TECHNICAL PARAMETER:

Parameter:	Details
Model	RMPL-PR
Machine Dimensions	1300 mm (L) × 1500 mm (W) × 1650 mm (H)
Weight	Approx. 950 Kg
Max PCB Size	350 mm × 450 mm
PCB Thickness	0.4 mm – 3.5 mm
Spindle Speed	Up to 60,000 RPM
Spindle Options	Nakanishi / Sycotec
Repeat Accuracy	±0.01 mm
Cutting Accuracy	±0.05 mm
Platform Type	Dual Table
Drive System	Panasonic Servo Motors & Drives
Vision System	Basler Camera – Image Scanning + Fiducial Detection
Programming Interface	PCB image-based path creation
Bit Monitoring	Tool life tracking, breakage detection, 3-step height usage
Dust Collection	External High-Efficiency Vacuum Unit
Safety System	Keyence Curtain + Door Interlock
Tool Change	Optional Auto Bit Change
MES Integration	Optional
Barcode Scanner	Optional
Power Supply	AC 230V, 50Hz

Applications

- » Offline depaneling of FR4 and CEM PCBs
- » Perfect for SMT, LED, Automotive, and Consumer Electronics Lines
- » Ideal for High-Mix, Medium-to-high-volume production environments

Optional Features

- » Auto Tool Change – For uninterrupted operations
- » MES Connectivity – Real-time production data integration
- » Barcode Scanner – For quick job setup and traceability

Technical specifications are subjected to change without notice. Some general descriptions and performance characteristics may not be applicable to all products. only features and technical data provided in the purchasing contract are legally binding.

REXSATRONIX MYS PRIVATE LIMITED

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