



The AXT PCB500 opens up a new avenue for PCB prototyping in the laboratory. Drilling, routing and engraving of PCBs can be done in minutes with a single machine.

The AXT PCB500 is equipped with a high-performance variable speed spindle. The servo motor on all axes and the semi-automatic 8-tool changer guarantee a very fast drilling and routing speed. The camera integrated in the machine allows the precise position. Since the drilling and structuring processes are carried out with the same vision and positioning system, we can guarantee optimum precision.

Thanks to its chemical-free process, printed circuit boards can be produced in just a few minutes without burning the substrate. The AXT PCB500 can perform various applications like Rapid Prototyping, Technology Research, Teaching, Student Project, PCB Engraving/Milling, model making and more



Semi-Automatic PCB Inhouse Rapid Prototyping **AXT PCB500**

Features:

- High efficient variable speed Spindle
- Semi automatic tool change with 8 tool boxes
- High advanced Motion System with servo motor,
- Highest mechanical resolution and accuracy
- Flat Aluminum base with central T-slot
- Suitable for Single and Double Side PCB
- Most compact and powerful
- Excellent unibody for sound reduction during mechanic processing



AXT PCB500 Technical Specifications

Working area (X x Y x Z)	500 x 350 x 60 mm
Max. Speed	3500 mm/min
Max. Carving speed	300-3000 mm/min
Min. space	0.05 mm (depend on material)
Command Code	G Code
Min. hole diameter	0.6 mm
Collet Size	3.175 mm
Camera	Software driven camera for monitoring
Position Accuracy	0.05 mm
Tool changer	8 tool bases semi-automatic changer
Tool Change Operation	Software Controlled
Accessories	Auto Checking tool cutter
Protection	Emergency Stop Button
Material	Acrylic, PCB, PVC, MDF
Spindle	Variable speed air cooled spindle of 800W@20,000 rpm,
Z Depth Regulation	Able to make antennas due to micrometer depth regulation
Software	MACH3 and Copper Cam Software
Computer System	Compatible computer with 22 Inch Screen and accessories
HandHeld Vaccum Cleaner	Yes Included with supply of machine
Power supply	220-240V 50Hz
Dimension (L x W x H)	850mm x 600 mm x 125 mm
Weight	45 kg
PC Interface	USB and Parallel Port
Standard Tool Bits and Consumables	Drill Bits, Cutting Bits, Router Bits and Copper clads