

Simplimatic[®] PCB Router Platform

Simplimatic's PCB Router platforms are designed with unparalleled flexibility and durability while delivering ease of use and programming. The system is developed with a fully integrated PC for all functions including motion control, HMI, I/O and programming interface. This machine works well in a high volume / low mix or low volume / high mix environment. The same platform is available in multiple configurations ranging from Dual drawer manual load or in-line operations, protecting your investment with the ability to convert from one style to another.



Standard Features



- Mineral cast base for noise and vibration suppression
- 2G/2Ms linear motor positioning system
- 1 Micron linear encoders
- Windows 10 operating system
- Full-size touchscreen with keyboard
- Dual drawer or inline configurations
- 60K or 100K RPM spindle motors

Additional System Benefits & Options

- Simple graphical programming interface
- Cost-effective
- High acceleration and velocity
- Expandable / reconfigurable platform
- Low cost tooling
- Quietest machine on the market
- Low vibration at high speed
- Small footprint (1.2m X 1.4m)

System Construction

The Simplimatic PCB router / de-paneling machine is built to last with mineral cast and steel frame. Controls and motion components are state-of-the-art and high precision with ultra-low maintenance required.

Maintainability

The fume extractor has PCB speed control smart settings that will shut the blower motor off, indicating it is time to replace the filters. The Loc-Line components should be maintained when the fume extractor Purex filters are replaced.

All wires are premade and electrical components are clearly marked. The electrical panel is accessible by a rear access door.

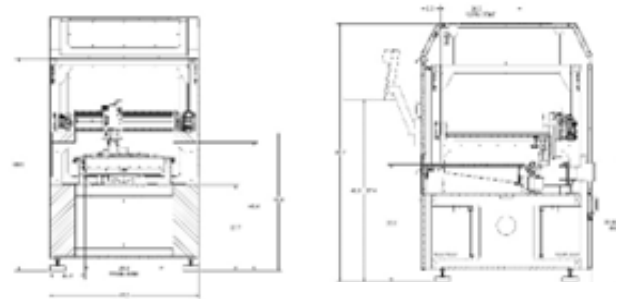
Safety Features

Potential hazards are guarded and marked with approved labels. Emergency stops are standard and remove power to the motor drivers when activated. Router includes solenoid interlocked door, interlocked laser power and a monitored safety chain. All doors that are not interlocked are tool entry.

Optional Upgrades

- Tooling plate with patterns
- Tooling creation tools
- Flood ionizers
- Dust collector
- Auto PCB height detection
- Bit diameter check
- Board pick-up prevention Kit

Specifications



Single Drawer Configuration

- PCB max length: 600mm (24")
- PCB max width: 600mm (24")
- PCB thickness: up to 6mm (24")

Dual Drawer Configuration

- PCB max length: 300mm (12")
- PCB max width: 300mm (12")
- PCB thickness: up to 6mm (24")
- NOTE: Dual drawer can be latched to use as one large table

Footprint:

- 3.9' (1.2m) in length
- 4.7' (1.4m) in width

Facility Requirements:

- Electricity: 480VAC, 20A