



PCB Router Fixtures

AGI Corporation, manufacturer of tooling products for circuit board assembly, designs and builds router fixtures for most of the most popular router machines on the market.



Courtesy of Sayaka

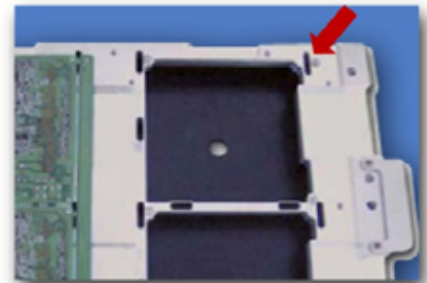
There is no better way to depanel a printed circuit board than with a PCB Router coupled with AGI's tooling fixtures. The answer for hassle-free PCB depaneling through the employment of a router bit that minimizes stress on components. The high speed spindles offer typical router bit cutting speed (50mm per second) Routers also allowing for flexible panel designs with various cutting patterns.

Concerned about PCB Dust re depositing on the Board during cutting?

With AGI's full masking tooling, and the routers' under board exhaust system, the dust is completely contained and cannot re-deposit on the PCB bottom side. The under board vacuum system also secures the PCB into the tooling and eliminates concerns for warping or small PCB pieces coming out of the fixture.

AGI offers many methods to locate and secure the PCB's and the scrap rails.

- Machine **Bosses** from the tool using the Aluminum or Stainless Steel
- **Removable Bolt in Stainless Steel Pins** for High Volume applications. The pins are easy to replace for Long Life.



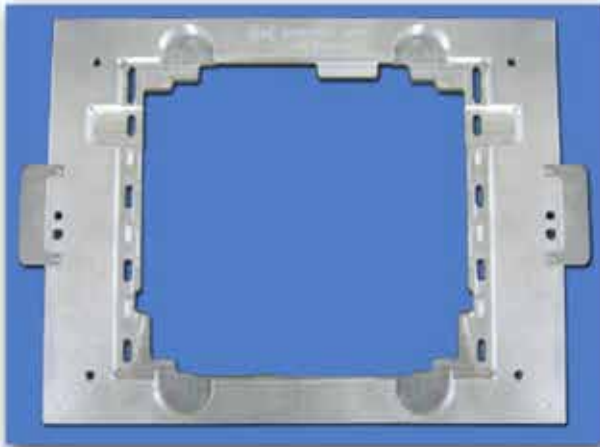
Courtesy of Cencorp

Features and Benefits

- Manufactured from 1/2" thick 6061 Aluminum Plate.
- For PCB's with tall components face down, we include a machined ESD safe component cover.
- Our masking design guidelines completely isolate bottom side components from dust created while routing.
- Fixture design to support PCB during route process and provide clearance for router bit.
- Fixture includes locating features for every piece of the PCB panel.
- For Multi Up PCB's we have a Removable Tray feature which allows the operator to remove all PCB's and scrap material at once.

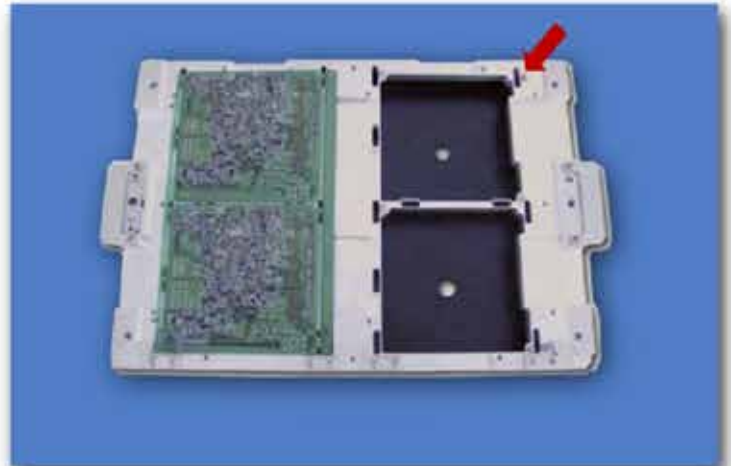


Courtesy of IPTE



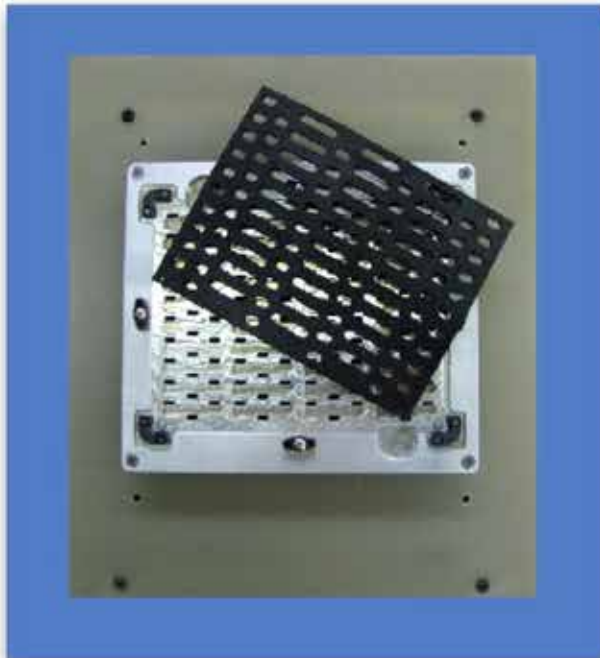
Basic Router Fixture

manufactured from ½" 6061 Aluminum Plate.



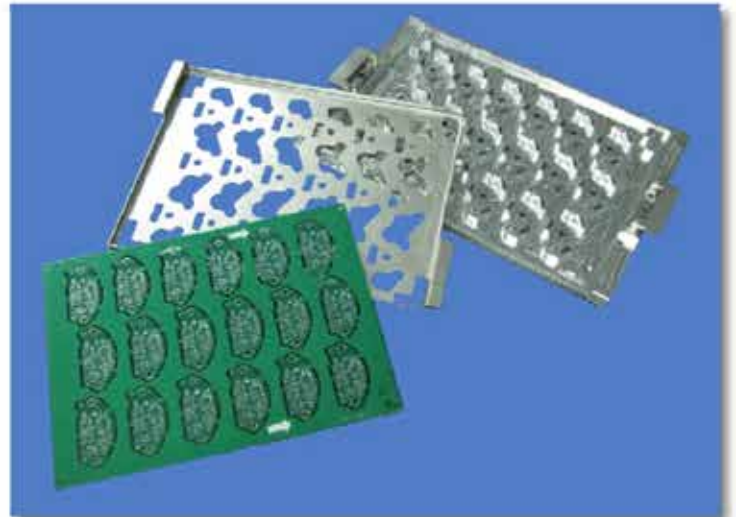
Bottom Side Masking

will completely isolate bottom side components from dust created by routing, and prevent it from re depositing. This feature is used with under board exhaust.



Router Fixture with Lid

is helpful to support the PCB's if they are very small or there is no under board exhaust.



Removable Tray

allows the operator to remove all PCB's and scrap material at once.

AGI Corporation

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