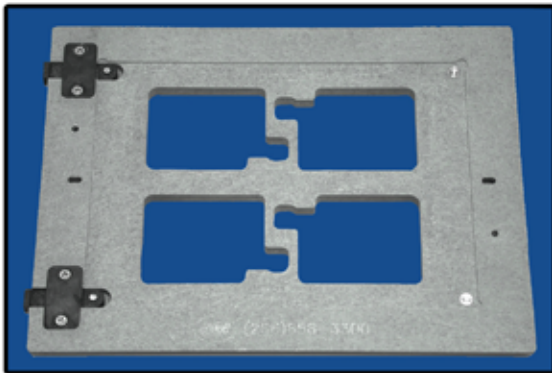




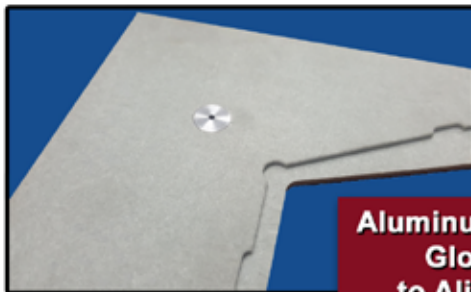
# SMT Assembly Fixtures

SMT Assembly  
Fixtures



SMT Pallet with  
Spring Loaded Tensioners  
to Secure PCB into Pallet

AGI's SMT and Flex Circuit Assembly Fixtures are becoming more popular to solve many SMT assembly challenges! Our proven pin designs can handle thin PCBs or Flex Circuits with unusual form factors. The combination of Fixed Pins and Tensioning Pins create a user friendly and reliable fixture. The Tensioning Pins are designed to set under the PCB. The PCB then sets "proud" approximately .005" above the fixture for optimal printing results.



Aluminum Plugs Used as  
Global Fiducials  
to Align with Stencil



Nail Head Pins  
Used to Secure PCBs  
Less than .032" Thick

## FEATURES AND BENEFITS

- Optical grade composites make it easier for the PCB present sensors to "see" the fixture.
- Board cavity designed to allow PCB to be .005" above fixture surface for optimal screen printing results.
- Spring loaded Board Tensioners lock PCBs in the fixture; secure PCBs from .005" to .125" thick.
- Our Nail Head Pin is designed to hold the Flex Circuit flat and down to the fixture. Eliminates need for taping.
- Nail Head Pins offer a proven solution for thin boards less than .032" thick.
- For multi-up arrays, we offer a pressed in Aluminum Plug with .062" diameter fiducial mark for high reliability.

	
<b>Tensioner</b>	<b>Pusher</b>
Press In Pin Locates In Tooling Hole	Used to Justify PCB Into Board Cavity Edge or Corner
Spring Draws PCB Tight	

# AGI Corporation

[www.AGICorp.com](http://www.AGICorp.com) - [info@AGICorp.com](mailto:info@AGICorp.com)

177 Nick Fitchard Road • Huntsville, AL 35806 • (256) 858-3300  
13540 Wright Circle • Tampa, FL 33626 • (813) 343-3007