

Re-Coining

Frequently fine pitch devices are malformed, or not coplanar due to handling, shipping, or other reasons. Since fine-pitch components are usually very expensive, recovery is desired. For this purpose, Fancort has developed a line of forming equipment which will re-coin malformed component leads and reset the footprint and standoff height. Should leads be out of pitch or position, we have the capability to recondition them.

Tinning

If the tinning process is performed before lead forming / cutting, additional variables must be dealt with in the forming process. The lead material thickness is increased, and the surface material is far softer than standard Kovar or Alloy 42 lead material. More clearance must be provided in the tool for tinned leads, and care must be taken so the tool doesn't "plow" the tinning material as it forms the leads. Very precise tinning procedures are required to assure that lead thickness tolerances are maintained. If the tinning should run thicker than the material thickness the tool has been designed to handle, unacceptable lead forms and potential tool damage may result. Obviously, the easiest solution is to specify tinning AFTER the forming and trimming processes.

Fancort has a Component Preparation Services Department where we process your components from lead forming through tinning and leak testing. We do this using our universal trim / form tooling, or for longer runs, we build dedicated tooling which will reduce lead-time and set-up costs. For more information contact Robert Antonelli.

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