



Tape Splicing

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Tape Splicing

Splicing is widely used by end users during Pick & Place operations, but not by people who tape components for use elsewhere. In fact, there are end users who explicitly ban spliced components in their procurement documentation. ACH committee members have tested spliced components in the taping process and due to machine jams, this process was considered unsuccessful.

Several companies market splicing systems:

- Acupaq (<http://www.acupaq.com/>) offers hand tools and adhesive tapes. *Note: Acupaq was acquired by Antistat (<https://www.antistat.com>).*
- Ateksystems (www.atekllc.com) also offers splicing materials and tools.
- Shenzhen Kanghongjin Electronic Co. system (<https://www.szsmc.com>) uses adhesive tapes without tools. It is used with 8mm through 24mm wide tapes, both punched paper and embossed plastic.
- Sierra Electronics (www.tapesplice.com) uses brass shims, each 5 sprocket holes long, which are crimped to the tape edge. An adhesive tape goes over the cover tape.
- Topline's system (www.topline.tv) uses adhesive strips with punched holes, plus adhesive tape over the cover tape. Topline continues to supply the adhesive strips, but the tool used in the process has been discontinued.

At the time of publication, no splicing methods have been confirmed to pass ISTA-3A package testing and therefore are only recommended for in-house use.