

Crimpband Application Tooling

Fast Facts

- High Speed Operation — Many times faster than soldering, up to 2,000 crimps per hour
- Reliable — Creates uniform connection, unlike soldering
- Dependable — The connection is stronger than the wires being crimped
- Clean — No heat or noxious solder fumes
- Scrap Free — No leftover scrap material
- Easy Operation — Simple operator training
- Economical — Proven reduction in assembly costs

Tyco Electronics offers solderless crimping systems to handle a wide range of wire connections including solid and stranded lead wire, insulated magnet wire, and component leads. Each system is comprised of continuous, serrated Crimpband material and a crimping machine. The Tyco Electronics solution allows the flexibility to create a shape and size, which optimizes the crimp's electrical and mechanical performance.

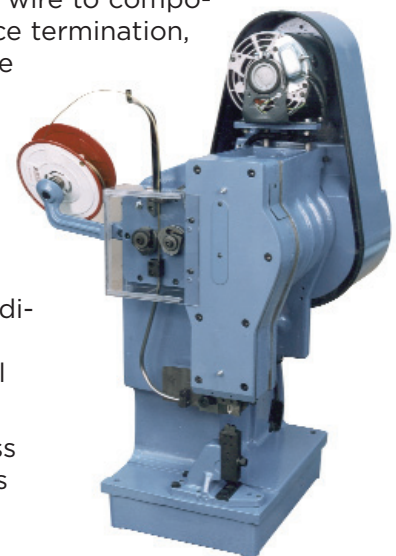
The Tyco Electronics crimping system produces a very economical and reliable interconnection. Utilizing a continuous Crimpband material the machine will feed, cut form, and crimp your application resulting in a very strong and uniform interconnect crimp.

Whether your application required a wire-to-wire, wire to components leads, wire to terminals, or magnet wire splice termination, the very flexible and dependable crimping machine will provide high-speed scrap free interconnects.

Substantial increase in production interconnection rates can be realized versus traditional soldering. Not to mention it completely eliminates the noxious fumes.

The Mod I Crimping System is used when running standard RTM and MTM Crimpband product. In addition, left and right horn termination machines are available when your application requires additional working envelope.

The Mod III Crimping System is used when stainless steel splices or when large wire gauge applications warrant additional force requirements.



Crimpband Application Tooling

Tooling and Equipment Selector

Volume to be Crimped		Recommended Equipment	
CMA	in ² /mm ²	Toolset Size	Machine
140 - 800	.003 - .016 0.07 - 0.40	032	Mod I
400 - 1200	.008 - .024 0.20 - 0.60	032 / 036	Mod I
600 - 1600	.012 - .032 0.30 - 0.81	045	Mod I
900 - 2600	.018 - .052 0.45 - 1.31	061	Mod I
1600 - 4000	.032 - .080 0.81 - 2.02	076	Mod I
2200 - 5200	.044 - .104 1.11 - 2.63	092	Mod I
3000 - 6750	.060 - .135 1.52 - 3.42	125	Mod I
4000 - 8500	.080 - .170 2.02 - 4.31	165	Mod III
5000 - 11000	.010 - .219 2.53 - 5.57	200	Mod III
6000 - 13000	.120 - .259 3.04 - 6.58	200 / 202	Mod III

1. Calculate the combined volume of the wires or components in a crimp.
2. Select Tooling and Machine.
3. Submit samples for test and equipment conditioning.
4. Toolsets are easily interchangeable within same machine type.