

# INVERTED SPLICE TERMINATOR

PIGTAIL AND THRU-SPLICE  
TERMINATION FOR MAGNET WIRE  
AND LEAD WIRE COMBINATIONS

# INVERTED SPLICE TERMINATOR

For quick, easy and reliable pig-tail and thru-splice termination of magnet wire and lead wire combinations, TE Connectivity (TE) offers the Inverted Splice Terminator (IST) and applicator.

The IST machine and applicator will terminate pig-tail splices or thru-splices consisting of two or more stranded or magnet wires. The system is capable of terminating combinations having a Circular Mil Area (CMA) of 400 - 13,000 when applied in accordance with the corresponding terminal application specification. For applications outside of these specifications, please contact TE Application Tooling for assistance.

The inverted splice system incorporates a 5-ton terminator with an air feed applicator to create a high quality crimp. Inverted applicators will not run on standard presses (specialty guarding and software is required). Conversely, standard applicators will not run on IST 5-ton presses.

The IST machine provides better access to present wires to the crimping area. This provides more flexibility when terminating leads from completed motor assemblies. When using the pig-tail applicator, operators can cut excess wire using the integrated shear in the applicator, thereby keeping leads as small as possible (short break out). The shorter leads provide added flexibility to post process magnet wire applications. Operators can more easily tuck in or heat shrink terminated lead ends, allowing for potentially smaller motor housings.



Pig-tail Splice Model



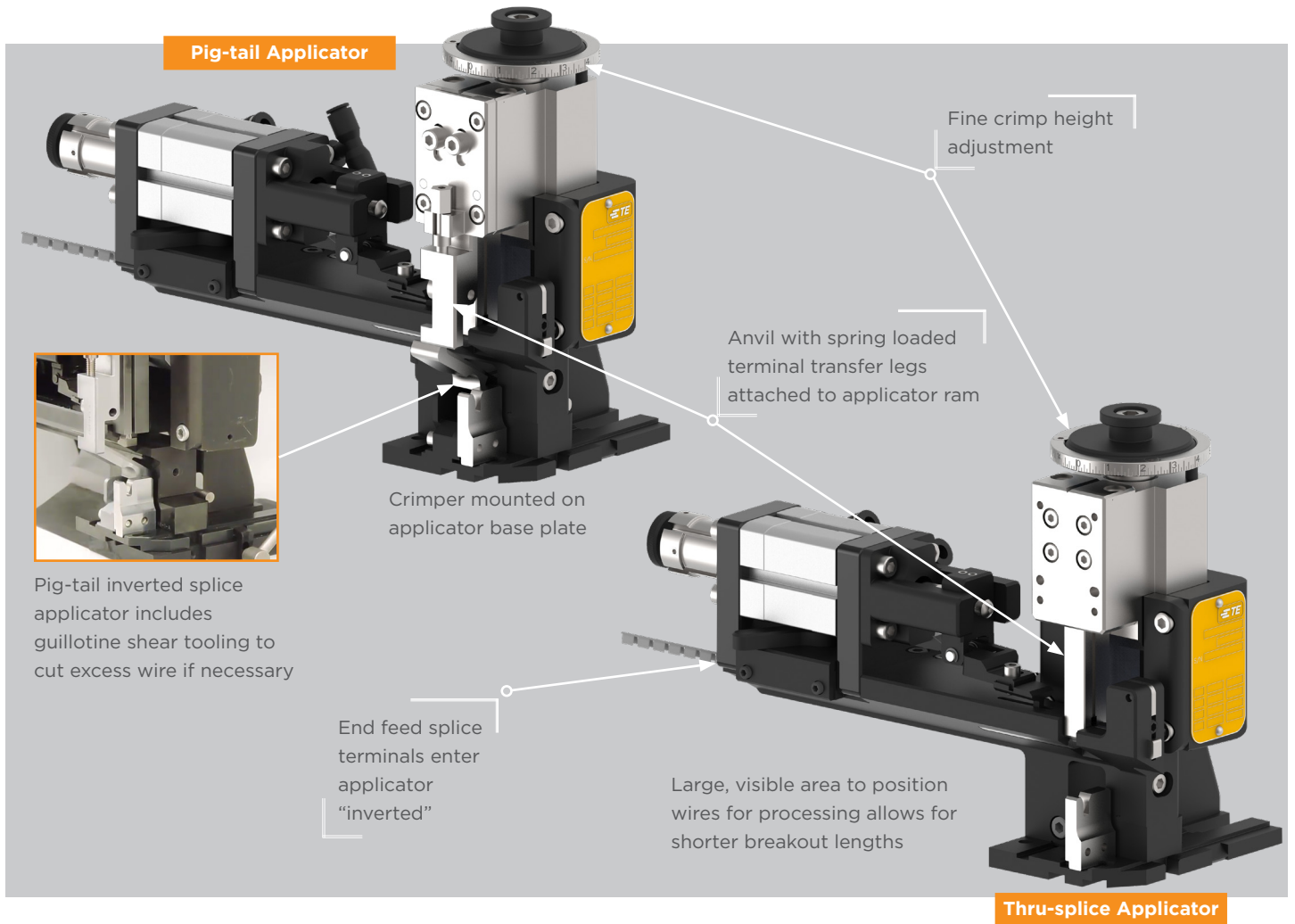
Thru-splice Model

## Terminator Part Numbers

	Termination Unit	Part Number	Terminals Applied
Pig-tail Splice	Inverted AMP Applicator with Specialized Terminator	2305750-1	62040-1, 62040-2
	Inverted AMP Applicator with Specialized Terminator (w/CQM II)	2305750-2	62306-1, 62306-2
	Inverted AMP Applicator Only*	2305750-3	62307-2, 62307-3
	Inverted AMP Applicator Spare Parts Kit	7-2305750-7	(1500 - 5000 CMA)
	Inverted AMP Applicator with Specialized Terminator	2335336-1	62308-2
	Inverted AMP Applicator with Specialized Terminator (w/CQM II)	2335336-2	
	Inverted AMP Applicator Only*	2335336-3	(3000 - 7000 CMA)
	Inverted AMP Applicator Spare Parts Kit	7-2335336-7	
Thru-Splice	Applicator with Specialized Terminator	2326072-1	2238122-1
	Applicator with Specialized Terminator (w/CQM II)	2326072-2	42119-1
	Applicator Only*	2326072-3	41899
	Applicator Spare Parts Kit	7-2326072-7	
	Applicator with Specialized Terminator	2335350-1	41900
	Applicator with Specialized Terminator (w/CQM II)	2335350-2	
	Applicator Only*	2335350-3	41766
	Applicator Spare Parts Kit	7-2335350-7	

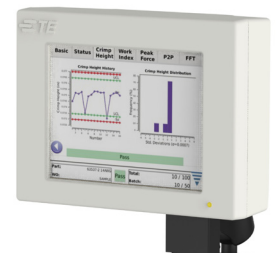
\*Inv AMP Applicator can only be used in special terminators with the correct guarding

## Inverted AMPLIVAR Applicators



## Crimp Quality Monitor II

The CQM II on the IST machine is easy to use, with intuitive menus along with enhanced monitoring and graphing features. Five different analysis methods are offered to monitor the process. This confirms quality crimps are produced and faulty crimps are detected.



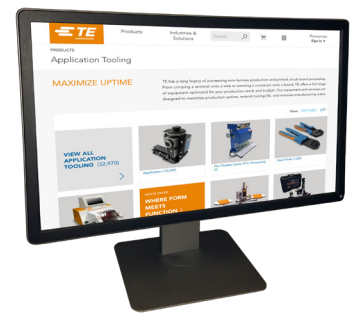
## Engineered to Meet Your Needs

Does your application require an engineered solution to meet your specific needs? TE's Application Tooling engineering team can provide technical support to customize an IST machine to accommodate special fixturing and additional automation features to accommodate your unique applications.



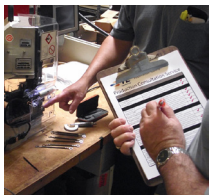
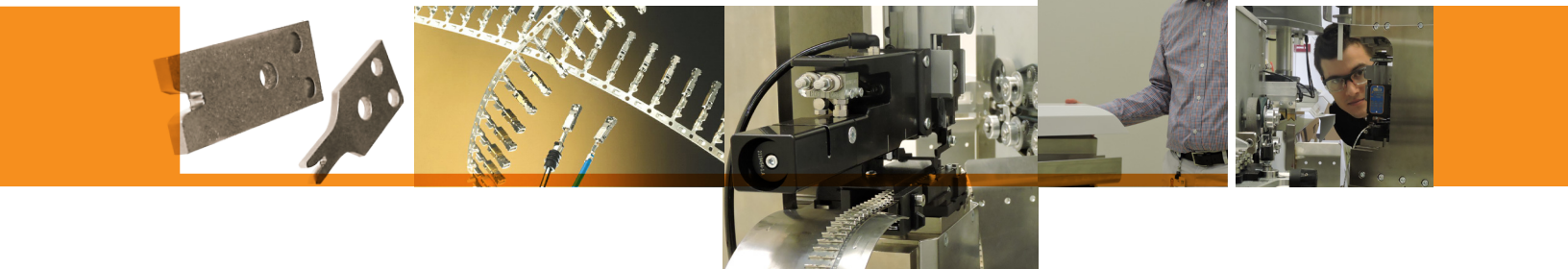
## Let's Connect

Learn more about our comprehensive line of tooling solutions at [Tooling.te.com](http://Tooling.te.com). To find the right TE tooling for your needs, call us at **717-810-2082** or email [toolingSales@te.com](mailto:toolingSales@te.com).



## TE Connectivity Technical Support Center

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Latin/S. America	+55.11.3404.6261	China:	+86.400.820.6015
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### Waste Not. Want Not.

Whether it's time or scrap, in manufacturing everyone knows that waste costs money. With our on-site certification and consultation services, we can help you:

- Reduce downtime
- Reduce scrap
- Maintain crimp quality
- Improve manufacturing efficiency



### Time is Money.

In manufacturing downtime can be expensive. That's why TE is constantly working to improve product availability and delivery rates. With a strong global footprint, short lead times and a strong distribution channel, TE has the equipment and the accessories to keep production on-line.

To check distributor stock and availability for your tooling needs go to: [www.te.com/commerce/sck/cdi.do](http://www.te.com/commerce/sck/cdi.do)

## te.com

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### Contact us

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