



MULTI-STATION PROCESSING SYSTEM (MSPS)

Product Brochure

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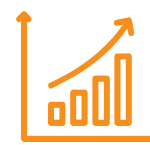
TE Connectivity's (TE) new semi-automatic multi-station processing system (MSPS) provides a crimping solution that improves accuracy with an in-line fixture that supports product positioning for coaxial connector systems used in data connectivity applications. It provides a complete set of steps to attach a connector system to the end of a coaxial cable, including cable stripping, ferrule and center conductor crimping, cable insertion in the outer housing and final outer housing crimping onto the cable jacket. The key to the multi-station processing system's success is an in-line fixture that locates and supports the cable while the cable is moved from station to station for processing. The crimp quality of the wire is monitored during each termination station. Moveable stations provide flexible layout approach allowing single or multiple operator layouts. This new multi-station approach provides affordability, flexibility, and the ability to ramp up or down to match manufacturing needs. The multi-station processing machine offers improved quality and processing time over hand processing without incurring the very high costs of a fully automated line.



Improves Accuracy



Quality Process Control



Cost Savings

Key Features	Benefits
Improves Accuracy	<ul style="list-style-type: none"> Cable holding fixture accurately locates the cable for consistent product positioning Reliable, consistent crimp performance that provides quality cable termination
Quality Process Control	<ul style="list-style-type: none"> In-line fixture locates and supports cable while the cable is moved from station to station for processing Crimp quality monitored during each termination station Cable holding fixture improves crimp quality and terminal placement accuracy
Cost Savings	<ul style="list-style-type: none"> This new multi-station approach provides affordability, flexibility, and the ability to ramp up or down to match manufacturing needs The multi-station processing system provides improved quality and processing time over hand processing without incurring the very high costs of a fully automated line

Industries

- Automotive
- Industrial Commercial Transportation
- Industrial

Applications

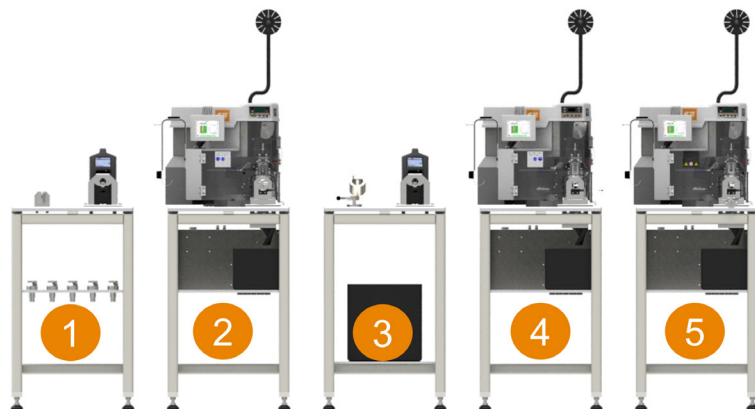
- High-resolution cameras (e.g. 4K)
- High-resolution displays and instrument clusters
- 360° surround-view cameras
- Advanced driver assistance systems (ADAS)
- Radar / LIDAR
- Antenna connections
- V2X technologies

Technical Details

Technical Specifications	
Working Condition Relative Humidity	10-90%
Storage Environment Relative Humidity	30 - 60%
Dimension	700x 750 x 1400 mm
Weight	235kg
Voltage	220V 50Hz
Air Pressure	Min 6 bar
Nominal Crimp Speed	3 stroke/sec
Programmable Pitch	Between 1.27 mm and 5.08 mm
Maximum Width of Pressing Area	100mm
The Y Distance Difference of FPC	10mm
Straight Foil Length	50mm
Special Foil and Pitch	Available Upon Request

General Features

- Cable Fixture - High Quality
- Manually progress cable
- Both RTK031 and RG174 pin and socket
- Integrated carrier cutter on crimping units
- Manual braid fold - hand tool assisted
- Station 5 split cycle process



Cable Load & Jacket Strip

Ferrule Crimp

Braid fold, foil and dielectric strip

Center Contact Crimp

Subassembly Crimp



Ordering Information

Specifications	
PN 2836263-2	OCEAN_2.0_ MSPS_Applicator-S-046F
PN 3-4151018-2	OCEAN_2.0_ MSPS_Applicator-S-134O
PN 2836798-2	OCEAN_2.0_ MSPS_Applicator-S-089O
PN 2837920-2	OCEAN_2.0_ MSPS_Applicator-S-037F
PN 3-4151020-2	OCEAN_2.0_ MSPS_Applicator-S-114O
PN 2837919-2	OCEAN_2.0_ MSPS_Applicator-S-108O
PN 2415539-1	CABLE PROCESSING KIT, RG-174, 180 DEG.
PN 3-4151019-2	OCEAN_2.0_ MSPS_Applicator-S-134O
PN 2415539-2	CABLE PROCESSING KIT, RTK 031, 180 DEG.
PN 2836902-2	OCEAN_2.0_ MSPS_Applicator-S-046F
PN 2837921-2	OCEAN_2.0_ MSPS_Applicator-S-046F
PN 3-4151021-2	OCEAN_2.0_ MSPS_Applicator-S-037F
PN 2837920-2	OCEAN_2.0_ MSPS_Applicator-S-114O

Connect With Us

Our tooling is supported by an established, experienced and responsive field service organization. TE Connectivity field engineers are located worldwide and are available to assist with on-site and remote service; selection and installation of new equipment; training; and technical support. Service agreements are available to provide protection and support for all your application tooling equipment.

Contact Us

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EMEA 49-6151-607-1518

APAC 86-021-3325-9030

Tooling Portfolio: tooling.te.com

Field Service: te.com/fieldservice

te.com

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