



# HV-CP VERSION II MACHINE

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Product Brochure

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# HV-CP VERSION II MACHINE

TE Connectivity’s (TE) new HV-CP Version II machine excels in stripping the outer jacket of a cable, foil shield, braid shield, and inner insulation, while also facilitating braid fold-back operations tailored to your customer’s termination specifications. To enhance tooling life, the braid is cut with an axial shearing operation, ensuring durability and precision. To meet customer requirements, meticulous cable preparation and enhanced quality control measures have been integrated into this next-generation machine. The machine ensures tooling compatibility prior to operation, self-calibrates blade positions post-tooling changeover, and verifies cable alignment before and after preparation for accurate strip lengths and braid fold-back operations. It attributes reduced energy consumption, extended wear part lifespan, and a streamlined mandrel alignment system for heightened precision and alignment. Designed for industries including Automotive, Industrial & Commercial Transportation, and Aerospace Defense & Marine, the HV-CP Version II delivers unparalleled reliability and performance tailored to demanding applications.



**New High-Performance Tool**



**Customizable**



**Support**

Key Features	Benefits
New High-Performance Tool	<ul style="list-style-type: none"> <li>• Braid fold back operation</li> <li>• Braid is cut with an axial shearing operation</li> <li>• No vacuum to remove debris, less energy consumption</li> <li>• Wire strip length up to 120mm; capable of processing up to 180mm strip lengths but results may vary based on cable size, type, and machine settings.</li> <li>• Laser array machine start sensor with industrialized control system</li> <li>• Improved lifetime of wear parts</li> <li>• High force linkage assembly to shear braid</li> <li>• Simplified robust mandrel alignment system, increasing alignment precision and accuracy</li> </ul>
Customizable	<ul style="list-style-type: none"> <li>• Customizations available to meet your production requirements</li> </ul>
Support	<ul style="list-style-type: none"> <li>• Our machines are supported by an established, experienced and responsive field service organization</li> <li>• 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</li> </ul>

## Industries

- Automotive
- Industrial & Commercial Transportation
- Aerospace Defense & Marine

## Applications

- Truck/Bus/Off Road Vehicles
- Military vehicles
- Electric motorcycles
- Electric vehicles

## Technical Details

Technical Specifications	
Wire Cross Section	10 mm <sup>2</sup> - 120 mm <sup>2</sup>
Max. (Outer Diameter)	25.4 mm (1 in)
Min Dia. (Inner Conductors)	6.0 mm (0.24 in)
Min Cable Length	100 mm (4 in)
Tooling Changeover	3-5 min
Avg. Cycle Time	20s
Increments for Incision Dia.	0.01 mm (0.0004 in)
Max Outer Jacket Strip Length	120 mm (4.72 in)*
Profile Library	Up to 1500 Articles
Max Sequence Functions	Up to 100 Steps

\*Machine is capable of stripping cables up to 180mm [7.09 in] in length, but is highly dependent on cable manufacture, cable size, and machine setup. Not all applications may be possible.

## Cable Processing Capabilities



Outer Insulation



Braid Cut



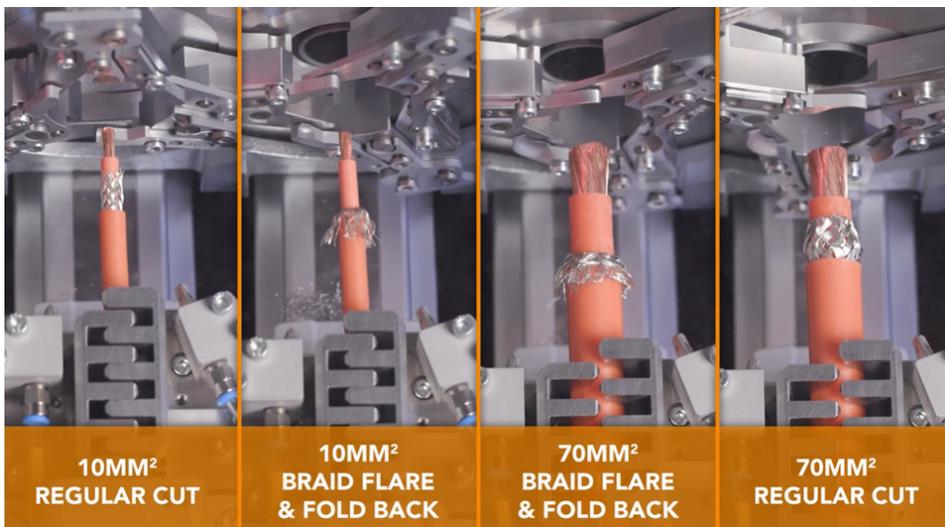
Braid Fold Back



Inner Insulation

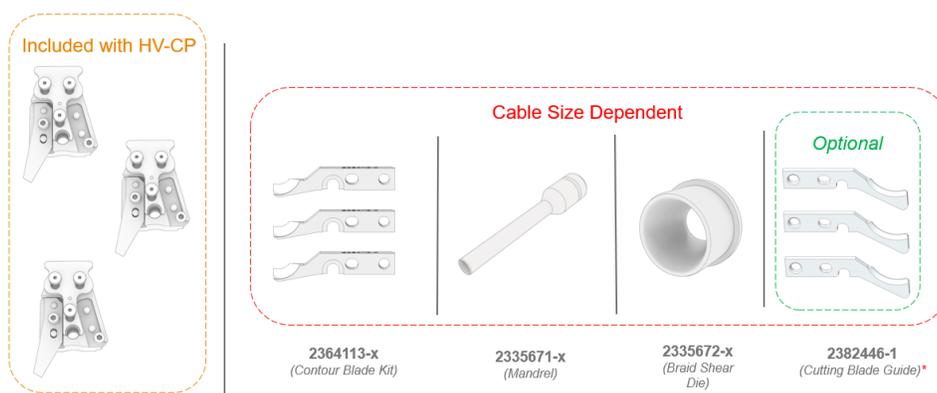
## Upgraded for Excellence: Primary Differences from HV-CP to our New HV-CP Version II

- Braid fold back operation
- Braid is cut with an axial shearing operation to improve tooling life
- No vacuum to remove debris
- Maximum strip length up to 180mm
- Laser array machine start sensor with industrialized control system



## Ordering Information

Specifications					
PN 2470000-1		HV-CP Version II			
Cable Size (mm <sup>2</sup> )	Mandrel Max Diameter (mm)	Mandrel PN	Die PN	Contour Blade Kit PN	Quick Change Arm Assembly (2493985-1)
10	6.45	2335671-1	2335672-1	2364113-1	
16	7.65	2335671-2	2335672-2	2364113-2	
25	9.15	2335671-3	2335672-3	2364113-3	
35	10.85	2335671-4	2335672-4	2364113-4	
50	12.65	2335671-5	2335672-5	2364113-5	
60	13.75	-	-	2364113-6	
70	14.85	2335671-7	2335672-7	2364113-7	
95	17.65	2335671-8	2335672-8	2364113-8	
120	19.45	2335671-9	2335672-9	2364113-9	



## 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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Tooling Portfolio: [tooling.te.com](http://tooling.te.com)

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## te.com

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