

The first name in wire processing

**ARTOS**  
ENGINEERING COMPANY

# Cr.11

## AUTOMATIC CRIMPING MACHINE



### FEATURES







**Closed Loop Servo Wire Feed System\*** ensures length accuracy

**Unique Wire Gripper\*** Prevents wire bending and ensures level placement into terminals



**Innovative Stripping Blade Configuration** Reduces the gap between grippers, letting you process even light gauge wires

**Option Description and Price List**

Item:	Description	Photo
<b>CR.11 Base Machine</b>	<p>Base Machine with 230 Volt, 1-Phase, 50/60 Hz</p> <p>Closed Loop Brushless Servo Feed System with Knurled Feed Wheels</p> <p>Wire measuring encoder with length calibration and wire slip detection</p> <p>Servo Driven Swing Arms Featuring Programmable Wire-Terminal Set-up</p> <p>Servo Driven Cutterhead Featuring Programmable Wire Diameter and Stripping Set-Up</p> <p>Motorized 1.5 meter collector with batching tray</p> <p>P.C. Operator Interface Featuring Windows Vista and Artos Unity Software</p> <p>Two Process Station Mounting Bases with Hand wheel Height Adjustment</p> <p>Two TU-15 Servo Crimping Units with Programmable Stroke Adjustment and Split Cycle Operation</p> <p>Two Quick Change Terminal Reel Carts with Terminal Run-out Sensors</p> <p>Two Side Feed terminal carrier strip Chop-off Devices with scrap collection</p> <p>Two Air Feed Die Kit</p> <p>Complete wire guide kits for up to 5.5 mm (0.218") wire diameter</p> <p>Wire Straightener (Vertical and Horizontal)</p> <p>Complete Upward Lifting Safety Shield</p> <p>One Owners Manual</p>	
<b>Paper Take-up</b>	<p>Motorized collection of terminal reel paper. This feature allows for the coiling of the paper which separates side feed terminals for better housekeeping.</p>	
<b>Sencor</b>	<p>Patent pending system for automatic setting of stripping blades. Technology senses the conductor within the wire and automatically set the value of the stripping diameter. Reduces wire waste and shortens set-up time. Can also be used to monitor blade wear.</p>	
<b>Domestic / Air Box</b> Crate for shipment within USA or Air shipment		
<b>Ocean / Export Box</b> Crate for ocean shipment.		
<b>208 Volt, Single Phase</b>	<p>Special 208, 1phase, 50/60 Hz. Voltage (requires custom transformer). For use where standard 230 Volt 1 Phase power is not available.</p>	

**Installation / Training**

Installation and training by Artos direct technicians. Recommend two days minimum. Price is per day. Travel expenses are not included and billed separately.



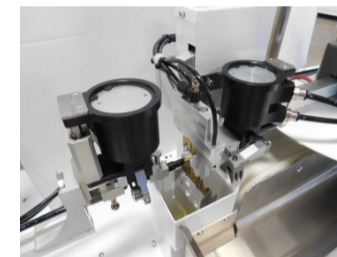
**Heavy Duty Crimping Module**

Upgrade TU-12-HD terminal crimping station for standard "mini" style applicators. Programmable stroke and split cycle operation. Crimping force of up to 5000 lbs (2267 Kg) for more challenging crimping applications. This option may allow the processing of 10 AWG (6mmsq) wire depending on the specific application. Price is the upgrade cost for each press.



**Heavy Duty Gripper Option**

Upgrade to HD Gripper for processing large 10 AWG (6mm<sup>2</sup>) and difficult to strip wires.



**Screw Clam AMP Style Die Mounting Kit**

Replaces standard quick release base plate with screw tightened design for positive clamping of applicator. Used for applications which require a high force to open the tooling. Price is upgrade cost for both presses.



**"JAM" Style Die Mounting Kit**

Replaces standard "AMP Mini" style interface kit. Utilizes 30mm press stroke. Price is for 2 kits to interface in 2 presses.



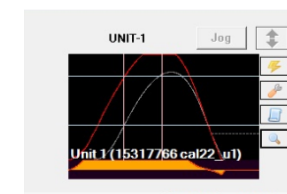
**TU-15 Crimping unit with Manual Crimp Height Adjustment**

Upgrade to TU-15 crimping unit with manual (dial) adjustment of the crimping height. Crimping unit may be standard or HD version. Price is for two presses.



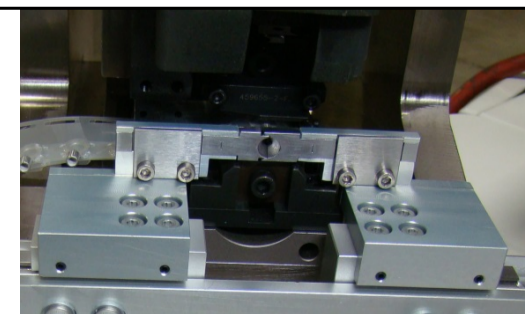
**CFM-2103**

Crimp Force Monitor for crimping inspection. System learns "good" crimps and compares all crimps to learned good crimps. If crimp is out of tolerance, the CR.11 will cut the crimp off and remake new wire. Wires with "bad" crimps are separated from good wires. Price is for two presses.



**Funnel Kit**

Special funnel kit for uninsulated closed barrel terminals. The system is designed to guide wire into uninsulated terminals. This Funnel System is mounted to the machine, and eliminates die modifications. When not in use, funnel system is easily removed. Samples of terminals and wire are required to qualify this option. Only available for Tyco Mylar feed applicators. Price is per press.





**Cart Assembly**

Additional cart assembly for pre-loading terminals and die onto a cart off line of the machine, reducing machine down-time for set-up. Price includes paper winder.



**Dual-Cart Assembly**

Substitute Standard Cart assembly for Dual-Cart design. This option allows for two terminal applications to be loaded on one cart. This benefit allows for the set-up of the next terminal while the current application is being processed, reducing machine down time for set-up and eliminating the need for extra carts. Cost is to substitute two standard carts for two Dual Carts. *Price includes Paper-Take up Winders.*



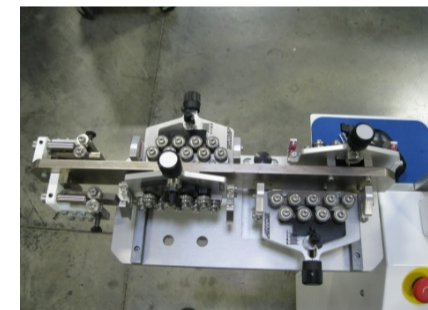
**Programmable Z-Axis**

Motorized adjustment of the Z-Axis (up / down) for wire placement into the terminal. This option allows for fully programmable adjustment for open to closed barrel terminals, with no manual adjustments. Price is for two presses



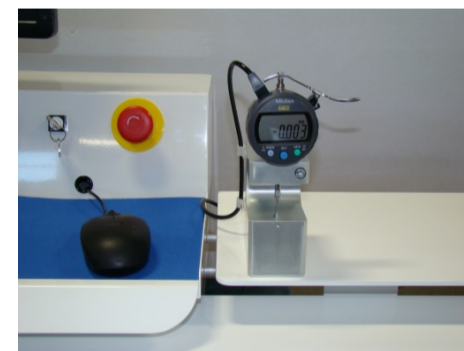
**Dual Feed Wire Straightener**

Upgraded wire straightener which allows for the pre-loading of a second wire while the machine is in cycle mode.



**Crimp Height Measurement**

Integrated crimp height micrometer. Allows the CR.11 to retain specified crimp height and tolerance for each terminal / wire combination. As part of the machine set-up, crimps must be measured and within tolerance before production begins.



**Pull Test Verification - Manual Tester**

Integrated terminal pull testing station. Allows the CR.11 to retain specific pull test values for each terminal / wire combination. As part of the machine set-up, crimps must be tested and greater than pull test minimum requirement before production begins. Manual tester requires operator to manually operate the pull testing station.



**PT5 - Automatic Tester**

Integrated terminal pull testing station. Allows the CR.11 to retain specific pull test values for each terminal / wire combination. As part of the machine set-up, crimps must be tested and greater than pull test minimum requirement before production begins. Automatic tester utilizes a motor during pull testing.



**Ink-Jet Interface**

Interface for Imaje 9450 ink jet marking system. Fully integrated with programmable and recallable marking of wire. Marking system is sold separately.



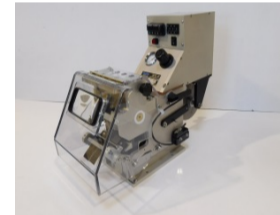
**A/B Switch**

Special A/B switch allowing quick change between two ink-jet marking systems with different color inks



**Hot Stamp Interface**

Interface for KIP-20 Hot Stamp marking unit. Includes electrical (5-146091) and mechanical mounting interface (5-148126-2). Kip-20 Marker sold separately.



**4-Meter Collector**

Upgrade to 4 meter motorized collector with batch sorter for long wire collection.



**CD-19 Modular Dual Bowl Coiling**

Upgrade to coiling option for long wires. Suitable for wire lengths over 12 feet (3.5 meters). Coiling unit is on casters, and rolls in and out as needed. CD-20 1.5 meter collector is also provide on casters, for quick change between standard collection and coiling option. Price is for both coiling option and standard linear collector.



**Bar Code Scanning**

Integration of a bar code scanning system for data entry. Used for input of production data. Also used to verify materials supplied to the machine.



**Post Process Printer**

Integrated label printer allowing the printing of customer defined information upon the completion of a wire batch. Used for routing of material and traceability.



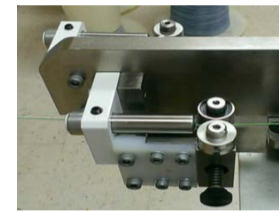
**Urethane Belted Feed Wheels**

Substitute standard knurled feed wheels with Urethane Belted Feed Wheels for processing small and softer wire insulations. Replacement belts are available.



**Wire Splice Detector**

Option for detection splices of wire from wire barrels or spools. Available for single or dual wire straighteners. Price is for single wire straightener.



**Articulating Wire Infeed Roller**

Two plane articulating wire infeed roller allows for smooth wire feeding from multiple directions.



**Spare Parts Kit**

Common replacement parts for CR.11 (kit # 4-144987)