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Mechanical Hand Tools for Interchangeable Die Sets

**CERTI-CRIMP "C" Head
Straight Action Hand Tool
(SAHT), 69710-1**

For more information, request Catalog
65780, Instruction Sheet 408-2095.



82936-8

Premium grade hand tool. Features ratchet control to provide complete crimp cycle. The interchangeable die sets close in a straight line to minimize contact or terminal rotation during crimping. When applicable, user-assist features, such as a contact or terminal locator and a wire stop, are built into the die set. Approximate weight 1.9 lb [0.86 kg].

**CERTI-CRIMP Platform Die
Hand Tool, 58078-3**

For more information, request Catalog
65780, Instruction Sheet 408-6976.



108044

Premium grade hand tool for crimping Ultra-Fast and Ultra-Fast Plus FASTON terminals. Features ratchet control to provide complete crimp cycle. Same frame configuration as the TETRA-CRIMP hand tool. Includes an adjustable terminal locator. Approximate weight 1.4 lb [0.64 kg].

**CERTI-CRIMP Semi-Rigid
Cable Hand Tool, 59980-1
(Military M22520/36-01)**

For more information, request
Instruction Sheet 408-6788.



78462

Premium grade hand tool for crimping Blindmate, N, SMA, and TNC connectors onto semi-rigid coaxial cable. Features ratchet control to provide complete crimp cycle. The tool is included in the SMA Tool and Cable Preparation Kit, 59981-1. Locators must be ordered separately, if not included in the kit. Approximate weight 2.0 lb [0.91 kg].

**CERTI-LOK Hand Tool,
169400**

For more information, request
Instruction Sheet 408-6764.



98845

Premium grade hand tool. Features similar to those of the CERTI-CRIMP "C" Head SAHT. Die sets available to crimp PIDG and PLASTI-GRIP terminals, PIDG "window" splices, SOLISTRAND terminals and splices, and Multimate Type III+ and XII contacts. Approximate weight 1.4 lb [0.49 kg].

Mechanical Hand Tools for Interchangeable Die Sets

PRO-CRIMPER II Hand Tool, 354940-1

For more information, request Catalog **82276**, Instruction Sheet **408-9930**.



Commercial grade hand tool for crimping various products. Features ratchet control to provide complete crimp cycle. Accepts both pinned- and shouldered-style die sets. Locators are provided with pinned-style die sets for proper contact

and wire positioning, and to help minimize contact rotation and bending during crimping. Approximate weight 1.3 lb [0.60 kg].

Pneumatic Hand Tools for Interchangeable Die Sets

626 Pneumatic Tool System

Specifications:

Outside Diameter—1.83 [46.5]

Length—11.6-12.9 [295-327]

Grip Span—2.19 [55.6] over button/handle

Weight—2.3-3.3 lb [1.0-1.5 kg]

Air—90-100 psi [6.21-6.89 bar], 11.14 in³ [0.00018 m³]

Cycle Time—0.7-0.8 sec (16-14 AWG [1.3-2 mm²] PIDG Terminals)

For more information, request Catalog **124208**.



Lightweight, air-operated modular tooling system. Accepts a wide variety of interchangeable heads for crimping various types of contacts, terminals and splices onto wires ranging 6-26 AWG [13-0.12 mm²], plus coaxial and fiber optic cable. Available with either hand- or foot-actuation switch. Optional ratchet control available to provide complete crimp cycle.

Electrical Hand Tools for Interchangeable Die Sets

Cordless Electric Power Tool, 933150-1 (Kit, 933592-1)

Specifications:

Width—2.7 [69]

Depth—17 [432]

Height—10 [254]

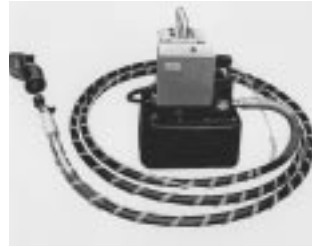
Weight—12 lb [5.4 kg]

Battery Pack Life—approx. 200 crimps on a full charge

For more information, request Catalog **82205 (COPALUM Connectors and Heat Shrink Tubing System)**, Instruction Sheet **408-9425**.



Battery-operated hand tool for crimping 6 and 8 AWG [13 and 8 mm²] COPALUM splices. This tool is used exclusively for reconnecting aluminum-wired homes, and is provided only to AMP certified installers. The two sizes are crimped in a single, two-cavity, color-coded die set. The battery pack can be removed and recharged.

DYNA-CRIMP Electric-Hydraulic Power Units, 69120-1, -2, plus Heads**Specifications:****Width**—9.5 [240]**Depth**—11.5 [292]**Height**—18.2 [464]**Weight**—65 lb [29 kg]**Electrical**—120 VAC, 60 Hz (69120-1); 220 VAC, 50 or 60 Hz (69120-2); 3 240 VA max.For more information, request Instruction Sheet **408-1965**.

26508-A

Power units for crimping large terminals and splices, including AMPPOWER and SOLISTRAND terminals, onto wires ranging from 8 AWG [8 mm²] through 1 000 kcmil [507 mm²]. Heads and die sets are interchangeable. Available with either hand- or foot-actuation switch, and hose/coupling assemblies up to 28 ft [8.5 m] in length.

Hand-Operated Hydraulic Pump, 314979-1, plus Heads**Specifications:****Width**—9.5 [241]**Depth**—24 [610]**Height**—11.4 [290]**Weight**—58 lb [26 kg]For more information, request Instruction Sheet **408-1965**.

101270

Power unit for crimping large terminals and splices, including AMPPOWER and SOLISTRAND terminals, onto wires ranging from 8 AWG [8 mm²] through 1 000 kcmil [507 mm²]. It uses the same crimping heads and die sets as DYNA-CRIMP Electric-Hydraulic Power Units. Used primarily for low-volume production or at locations where electrical power is not available.

Hydraulic Hand Crimping Tools, 59973-1, 59974-1, 59975-1**Specifications:****Height**—22.5 [572] (59973-1); 18 [457] (59974-1, 59975-1)**Weight**—12.5 lb [5.7 kg] (59973-1); 8 lb [3.6 kg] (59974-1, 59975-1)For more information, request Instruction Sheet **408-1965**.

65402

Levered hand tools for crimping large terminals and splices onto 8-4/0 AWG [8-100 mm²] wires for 59973-1 and 8-2 AWG [8-34 mm²] for 59974-1 and 59975-1. 59975-1 includes a rotating die set for crimping SOLISTRAND terminals and splices only. Bench mount 312324-1 is available for 59973-1.

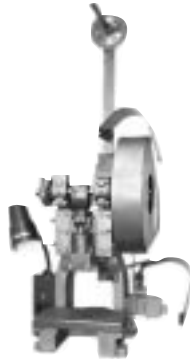
Crimp Machines

5-Ton Machine, 565433-4

Specifications:

Width—29 [737]**Depth**—25.4 [645]**Height**—35.5 [902] without reel**Weight**—250 lb [113 kg]**Electrical**—120 VAC, 60 Hz, 6 A**Air**—90-110 psi [6.21-7.59 bar] when required for use with air-feed applicators

For more information, request Catalog

82221 (Magnet Wire Terminals—AMPLIVAR and MAG-MATE).

This machine is used with special standard-style applicators to apply terminals and splices requiring crimping forces greater than the maximum output of AMP-O-LECTRIC Termination Machines. The machine is a modification of a fixed-bed, mechanical clutch press manufactured by Benchmaster Products, Inc.

AMPLIVAR Product Terminators (APT)

Specifications:

Width—38 [965] with CQM and product reel**Depth**—35 [889]**Height**—14 [356]**Weight**—156 lb [71 kg]**Electrical**—120 VAC, 60 Hz, or 220 VAC, 50 Hz; 360 VA**Air**—90-100 psi [6.21-6.89 bar], 22 scfm [0.01038 m³/s]

For more information, request Catalog

82221 (Magnet Wire Terminals—AMPLIVAR and MAG-MATE), Catalog 82275 [Crimp Quality Monitor (CQM)].

Semiautomatic bench machines for crimping reeled AMPLIVAR pigtail-type splices and direct connect contacts. All models are equipped with either manual or automatic precision adjustment of crimp height. Options include Crimp Quality Monitor, programmable sequencing of different crimp height settings and a wire stuffer, which automatically inserts additional wire into the splice to meet its minimum specified CMA range.

AMP-O-LECTRIC Model "G" Terminating Machines, 354500-1, -9, -11

Specifications:

Width—18.7-25.3 [475-643] depending on applicator type**Depth**—21.5-28.1 [546-713] depending on applicator type**Height**—20 [508]**Weight**—240 lb [110 kg]**Electrical**—120 or 220 VAC, 50 or 60 Hz; 310 VA**Air**—90-110 psi [6.21-7.59 bar], 6 scfm [0.00282 m³/s] when required with air-feed applicators**Wire Range**—26-10 AWG [0.12-6 mm²] solid or stranded, depending on product applied

For more information, request Catalog

65828, Video 198116, Catalog 82275**[Crimp Quality Monitor (CQM)], Video 198094.**

Semiautomatic bench machines for crimping reeled terminals and contacts, featuring a quiet and reliable direct motor drive, microprocessor controls for ease of setup and operation, and guarding and lighting designed for operator convenience. All models are equipped with either manual or automatic precision adjustment of crimp height. Machine-mounted sensors are available for crimp quality monitoring using conventional miniature-style applicators.

Crimp Machines

Model G Splice Terminating Machine & Applicator**Specifications:****AMP-O-LECTRIC Model "G" Thru Splice Terminator****Capacity** — 5 000 lb [2 224 N] max. crimp force**Deflection** — .003 [0.076] max. per 1000 lb [445 N] crimp force**Noise** — 76 dB max. at 5 000 lb [2 224 N] full capacity**Weight** — Approx. 240 lb [109 kg]**Height** — 20 [508]**Electrical** — 120/220 VAC, 50/60 Hz; Avg. 2.6 A at 120 VAC when used as a bench-top unit at 2 000 cycles per hour operating rate**Air** — 90-110 psi [6.21-7.58 bar], 6 scfm [0.00283 m³/s] (when required for use with air-feed applicators)

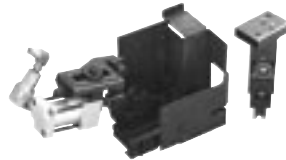
For more information, order Catalog 889021.

**AMP-O-LECTRIC Model "G" Splice Terminating Machine**

Semiautomatic bench machine for crimping reeled splice product. Accepts Standard G Splice Applicators to maximize access to both sides of the splice product. Features a quiet and reliable motor drive, microprocessor controls for ease of setup and operation and guarding and lighting designed for operator convenience. The terminators are provided with manual precision crimp height adjust as standard and machine-mounted sensors are available for crimp quality monitoring. Will not accept Heavy Duty Mini style applicators

Standard G Splice Applicator

Two-piece applicator for crimping end- or side-feed reeled splice products. Applicator provides access to both sides of splice for increased ease of use and productivity. Applicators use an air feed mechanism and are available for the AMP-O-LECTRIC Model G splice terminator only.

**Entry Level Terminator (ELT), 1338600-1, -2, -3, -4, -5, -6****Specifications:****Width**—16.8 [427]**Depth**—20.6 [523]**Height**—20 [510] without reel support**Weight**—approx. 150 lb [68 kg]**Electrical**—100-240 VAC, 50/60 Hz, 6A (*Note: Avg <1 A at 120 VAC when used as a bench-top unit at 2,000 cycles per hour operating rate*)**Air**—90-100 psi [6.21-6.90 bar], 6 scfm [0.00282 m³/s] when required for use with air-feed applicators (*Note: Optional Air Feed Valve Assembly Required*)**Wire Range**—Up to 14 AWG [2.5 mm²]For more information, request catalog **1308382**.

Semiautomatic Bench Terminator for side- and end-feed reeled terminals and contacts. The ELT uses a DC motor with gear box drive. The result is a small-footprint design that is fast and quiet. Cycle time is less than 0.400 seconds with an operation sound level of 76dBA. With a crimp force capacity of 3,000 pounds, the ELT is available for all but the highest crimp force applications. A wide range of optional equipment is also available to meet your specific application requirements.

Crimp Machines

AMP-O-LECTRIC Model "K" Terminating Machine, 1-471273-3**Specifications:****Width**—21 [533]**Depth**—20 [508]**Height**—24 [610] without reel**Weight**—230 lb [104 kg]**Electrical**—120 VAC, 60 Hz, 6 A**Air**—90-110 psi [6.21-7.59 bar], 6 scfm [0.00282 m³/s] when required with air-feed applicators**Wire Range**—26-10 AWG [0.12-6 mm²] solid or stranded, depending on product applied

For more information, contact Tyco Electronics.



21189

Semiautomatic bench machine for use with standard-style applicators. It is an electrically-powered, clutched, flywheel-energy-style machine, equipped with a mechanical strip feed mechanism. Products commonly applied with this machine include AMP splices, AMPLIVAR splices, and FASTON flag receptacles.

AMP-TAPETRONIC Machines, 68250-1, 69875**Specifications:****Width**—16 [406]**Depth**—20 [508]**Height**—24 [610] without reel**Weight**—250 lb [113 kg]**Electrical**—120 VAC, 60 Hz**Wire Range**—12-4 AWG [3-21 mm²] (68250-1), 26-10 AWG [0.12-6 mm²] (69875), solid or stranded, depending on product applied

For more information, contact Tyco Electronics.



103307

AMP-O-LECTRIC Model "K" Terminating Machines with a permanently-mounted applicator that accepts interchangeable die sets to apply a variety of tape-mounted terminals and splices. Many of the die sets can also be used in AMP-O-LECTRIC Terminating Machines with a tape applicator.

Carbon Brush Machine, 459248-2**Specifications:****Width**—27 [686]**Depth**—27 [686]**Height**—28 [711] without reel**Weight**—250 lb [113 kg]**Electrical**—120 VAC, 60 Hz, 6 A**Air**—80-100 psi [5.51-6.89 bar]For more information, request Catalog **82227 (Machine Applied Terminations, Open Barrel)**.

213070

Modified AMP-O-LECTRIC Model "K" Machine for crimping various terminals to spring and brush assemblies used in motors. It is equipped with a mechanism that compresses the spring, and pulls the shunt wire through the spring and over the terminal. The machine is capable of producing in the range of 400 assemblies per hour, depending on brush dimensions and operator dexterity.

Crimp Machines

Pneumatic Tool for Semi-Rigid Cable Terminations, 58318-1

Specifications:

Width—4.12 [105]

Depth—6.25 [159]

Height—5.12 [130]

Weight—8 lb [3.6 kg]

Air—80-100 psi [5.51-6.89 bar]



For more information, request Instruction Sheet **408-9351**.

37316

Compact, air-powered, semiautomatic bench tool for crimping N, SMA, and TNC connectors onto semi-rigid coaxial cable. Interchangeable locators are included; interchangeable die sets are purchased separately. The tool is operated with a trigger

switch mounted on the front of the tool.

Lead Makers

AMPOMATOR CLS IV+ Lead-Making Machines, 356500-1, -2, 1213400-1, -2

Specifications:

Width—159 [4 040]

Depth—68 [1 730]

Height—86 [2 185] with 24 [610] dia. reel

Weight—2 000 lb [907 kg]

Electrical—220 VAC, 50 or 60 Hz, single phase, 25 A, with neutral and ground

Air—90 psi [6.21 bar], 15 scfm [0.0071 m³/s] sustained

Wire Range—26-10 AWG [0.12-6 mm²] stranded, 26-16 AWG [0.12-1.4 mm²] solid

Lead Lengths—3-90 [76.2-2 285], 90-1 000 [2 285-25 400] with long lead conveyors



110234-3

For more information, request Catalog **124324**, Video **198142** (NTSC), **199609** (PAL).

Fully-automatic machines that measure, cut, strip and terminate single leads. Microprocessor-controlled, and programmed and operated using an easy-to-follow, menu-driven touchscreen. Features include direct-drive terminating units with precision crimp height adjustment, fully programmable setups, wire runout and splice detection, and motorized pre-feed with wire straightener. Crimp quality monitoring is also available.

Gamma 311 Lead-Making Machine, 2-528324-0

Specifications:

Length—839 [2131]

Width—340 [869]

Height—693 [1760]

Length Range—2.36 in.-32.8 ft. [60mm-10m] Optionally from 0.79 in. [20 mm]

Wire Cross-Sections—30 - 13 AWG [0.05 mm² - 2.5 mm²], (Optionally AWG 32)

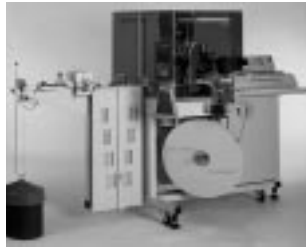
Noise Level—<76 dB (excluding pressing)

Electrical—100 - 270 V, 50-60 Hz single phase, 2.5kVA

Pneumatic Connection—5-6 bar

Air Consumption—6 m³/h

Weight—900 lb [410 kg] with two crimping presses



For more information, request Catalog **1307780**.

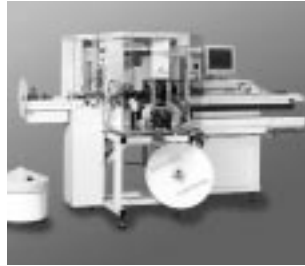
The Gamma 311 is a compact, robust fully-automatic crimping machine of the highest quality. Its accessibility and user-friendliness are just as noteworthy as its excellent price to performance ratio. The Gamma 311 is extremely flexible. It handles a variety of applications from cutting, stripping and crimping, to twisting, fluxing, tinning and doubling.

Gamma 333 PC Lead-Making Machine, Three Stations, 2-528324-0

Specifications:

Length—125 [3137]
Width—54.2 [1377]
Height—70.5 [1790]
Length Range—2.36 in.-32.8 ft [60-10,000] (optional 30mm)
Cross-Section Range—AWG 26-AWG 10 [0.125mm²-5mm²]
Noise Level—<76dB (without crimping modules)
Electrical—3x208 - 480V, 50-60Hz; 6kVA
Compressed Air—5-6 bar
Air Consumption—6.5m³/h
Weight—1850 lbs [840 kg] with two crimping modules
 For more information, request Catalog **1307901**.

Lead Makers

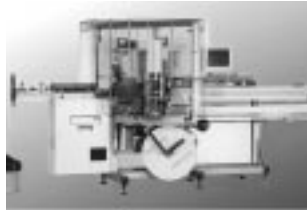


With its capacity to accommodate an additional processing station on side 1, the Gamma 333 PC can perform a number of new processes. It can produce two-ended crimp leads, process double crimp connections with three different terminals or apply seals on one end of the wire. Tinning and ink jet marking are two further options. Process monitoring is integrated into the system, ensuring perfect trimming and stripping of the wires.

Alpha 433-S Lead-Making Machine, 3-528317-1

Specifications:

Length—125 [3823]
Width—54.2 [1698]
Height—78.8 [2000]
Length Range—2.36 in.-32.8 ft [60mm-10m] Optionally from 0.79 in. [20 mm]
Stripping Lengths—0.1-15mm
Wire cross sections—AWG 24-AWG 10[0.20mm²-6mm²]
Noise Level—<75dB (without crimping module)
Electrical—3x208-480 V/50-60Hz, 10kVA
Compressed Air—5-6 bar
Air Consumption—9m³/h
Weight—2380 lb [1080 kg] (with two MCI 711s and two MCI 761s)
 For more information, request Catalog **1307801**.



The Alpha 433 offers the highest degree of flexibility. One or two sided seal application, different contacts plus double-crimp connections of varied lengths and with the same wire can all be processed with ease. When used in combination with the MCI peripherals, the Alpha 433 becomes a very compact total system with optimum accessibility.

Applicators for End-Feed Products

End-Feed Heavy-Duty Miniature Applicators (coded HDM)

For more information, request Instruction Sheet **408-8039**.



Interchangeable applicators for crimping products reeled end-to-end (primarily open-barrel terminals). Used in bench and lead-making machines; most designs can be used, or adapted for use with minor tooling changes, dial-in settings for different wire

sizes and insulation diameters. Mechanical or air-powered feed systems, depending on the product applied.

End-Feed Standard Applicators (coded STD)

For more information, request Instruction Sheets **408-8014**, **408-8011 (Hinge Bar)**.



Applicators for use with AMP-O-LECTRIC Model "K" Terminating Machine, 1-471273-3. Consist of separate ram and lower tooling assemblies. Lower tooling is bolted to the machine, and can be adjusted to vary the wire crimp height. Mechanical or

air-powered feed systems, depending on the product. To crimp Tab-Lok FASTON Flag terminals, the base plate is spring loaded (hinge bar).

Applicators for Side-Feed Products

Side-Feed Heavy-Duty Miniature Applicators (coded HDM)

For more information, request Instruction Sheet **408-8040**.



Interchangeable applicators for crimping products reeled side-by-side on single or dual carrier strips (primarily closed-barrel terminals and open-barrel contacts). Similar design as the end-feed version. All side-feed applicators

include a wire stop to help correctly position the wire end in the crimping target area.

Side-Feed Standard Applicators (coded STD)

For more information, request Instruction Sheet **408-8012**.



Applicators for use with AMP-O-LECTRIC Model "K" Terminating Machine, 1-471273-3. Similar design as the end-feed version. All side-feed applicators include a wire stop to help correctly position the wire end in the crimping target area.

Stripper-Crimper Applicators (coded SCA)

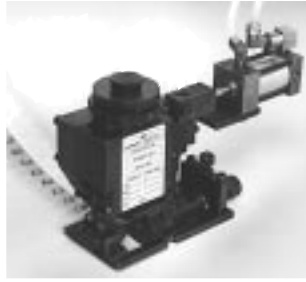
For more information, request Catalog **65004 (AMP-O-MATIC Stripper-Crimper Machines)**, Catalog **82275 [Crimp Quality Monitor (CQM)]**.



Interchangeable applicators for crimping products in AMP-O-MATIC Stripper-Crimper Machines. Consist of separate ram and lower tooling assemblies. Similar dial-in settings for different wire sizes and insulation diameters as HDM applicators. Available with sensors for use with the Crimp Quality Monitor.

Tape Applicators, 567200-2, -3, -4

For more information, request
Instruction Sheet **408-8082**.



104160

Miniature-style applicators that accept interchangeable die sets for crimping a variety of tape-mounted terminals and splices, including PIDG, PLASTI-GRIP and SOLISTRAND. The same die sets can also be used in the AMP-TAPETRONIC Machine. The feed mechanism is air powered.

Stripper-Crimper Machines

AMP-O-MATIC Stripper-Crimper Machines, 1320895-1, -2

Specifications:

Width—14 [355]

Depth—18 [457]

Height—33 [838] without reel

Weight—150 lb [68 kg]

Electrical—120 VAC, 50 or 60 Hz, .5 A

Air—80-100 psi [5.52-6.90 bar], 3.5 scfm [0.00165 m³/s]

Wire Range—32-14 AWG [0.03-2 mm²]

For more information, request Catalog **65004**, Video **198075**, Catalog **82275** [**Crimp Quality Monitor (CQM)**], Video **198094**.



110801

Semiautomatic bench crimping machines that also strip the wire, and are therefore used for terminating jacketed cable. Feature manual precision adjustment of crimp height, keyed strip blades for faster, more accurate setups, and an efficient scrap removal system. All adjustments can be made from the front of the machines without special tools. Available with crimp quality monitoring.

AMP-TAPEMATIC 4/8 Indent Stripper-Crimper Machine, 599406-7

Specifications:

Width—12.5 [317]

Depth—12.5 [317]

Height—10 [254] without reel

Weight—45 lb [20 kg]

Electrical—120 VAC, 60 Hz, 1.3 A

Wire Range—28-20 AWG [0.08-0.5 mm²]

For more information, contact Tyco Electronics



28801

Portable bench machine that strips wire and crimps tape-mounted, closed-barrel pin and socket contacts for AMPLIMITE Military, ARINC and CPC connectors. The stripping and crimping heads are accessible through separate openings in the front of the machine. Wire strip length and crimp height are adjustable. The stripping head is pre-set to the proper cutting depth of four standard wire sizes.

Dedicated Hand Tools

CERTI-CRIMP Double Action Hand Tools (DAHT)

For more information, request Catalog 65780.



92936-1

Premium grade hand tools. Feature ratchet control to provide complete crimp cycle. Die sets close in an arc-like path. When applicable, user assist features, such as a contact or terminal locator and a wire stop are included. Approximate weight 1.2 lb [0.54 kg]

CERTI-CRIMP Heavy Head Hand Tools (HHHT)

For more information, request Catalog 65780.



92936-5

Premium grade hand tools for crimping large coaxial connectors and various types of terminals and splices on wires ranging 6-24 AWG [13-0.2 mm²]. Feature ratchet control to provide complete crimp cycle, and insulation crimp adjustment on tools for

AMPLI-BOND, PIDG, DIAMOND GRIP, and PLASTI-GRIP terminals and splices. Die sets close in a straight line. Approximate weight 2.1 lb [0.95 kg]

CERTI-CRIMP Straight Action, Double Action Hand Tools (SADAHT)

For more information, request Catalog 65780.



92936-3

Premium grade hand tools. Feature ratchet control to provide complete crimp cycle. Die sets close in a straight line. Include a contact locator and support. Same handle and ratchet design as DAHT. Approximate weight 1.5 lb [0.68 kg]

CERTI-CRIMP Straight Action Hand Tools (SAHT)

For more information, request Catalog 65780.



92936-2

Premium grade hand tools. Feature ratchet control to provide complete crimp cycle. Die sets close in a straight line. Include a contact locator and wire stop, plus an insulation crimp adjustment lever, when applicable. Approximate weight 1.3 lb [0.59 kg]

CERTI-CRIMP T-HEAD Hand Tools

For more information, request Catalog 65780.



92936-7

Premium grade hand tools for crimping PIDG and PLASTI-GRIP terminals and splices, plus spare wire caps. Feature ratchet control to provide complete crimp cycle. Die sets close in a straight line. Include a locator and a quick take-up for holding the terminal or splice in place.

Approximate weight 1.3 lb [0.59 kg]

Dedicated Hand Tools

**ROTA-CRIMP Hand Tools,
600850-1, 601075-1****Specifications:****600850:****Length**—25 [635]**Weight**—7.4 lb [3.4 kg]**Wire Range**—8-4/0 AWG
[7-100 mm²]**601075:****Length**—15 [381]**Weight**—4.6 lb [2.1 kg]**Wire Range**—8-1/0 AWG
[7-60 mm²]For more information, request Catalog
1242066.

101774

Premium grade hand tools for crimping large SOLISTRAND and tubular terminals and splices, and CABLE MAKER battery terminals. The die sets rotate to provide multiple crimping configurations for the different terminal and splice sizes. 600850-1 and BANTAM ROTA-CRIMP tool, 601075-1 are equipped with ratchet control to provide complete crimp cycle.

**TETRA-CRIMP Hand Tool,
59824-1**For more information, request Catalog
65780, Instruction Sheet **408-2823**.

594628

Premium grade hand tool for crimping PIDG, PLASTI-BOND, and PLASTI-GRIP terminals, PIDG butt splices, and PIDG FASTON terminals onto wires ranging 22-10 AWG [0.3-6 mm²]. Features ratchet control to provide complete crimp cycle, quick ratchet release, and terminal locator and wire stop. Die set has three color-coded crimping chambers. Approximate weight 1.4 lb [0.64 kg]

Special Tool Sets

End- and Side-Feed Heavy-Duty Miniature Applicators for Ultra-Pod FASTON ReceptaclesFor more information, request
Instruction Sheets **408-8095 (Side Feed)**, **408-8099 (End Feed)**.

104181

Air-feed applicators for crimping uninsulated receptacles, and assembling them into insulating housing. The receptacles and housings are provided partially assembled, with the crimp barrels extending outside the housings. The receptacles are crimped on the downward stroke of the machine, and assembled on the upward stroke. Straight receptacles are side fed; flag receptacles are end fed.

Hand Tools for IDC Products

AMP-BARREL Terminal Wire Insertion Tools, 552714-1 thru -5

For more information, request Catalog 82159 (Printed Circuit Board Terminals and Disconnects), Instruction Sheet 408-6553.



Service grade hand tools for inserting one or two unstripped wires into pc board-mounted AMP-BARREL terminals. The tips of the tools are slotted to a depth to prevent wire overinsertion. The

shanks of the tools are color coded. For improved comfort, a slip-on cushion grip, 231279-1, is available.

AMP-LATCH Hand Tool Kit, 768340-1

For more information, request Instruction Sheet 408-9828.



Terminating kit for .050 [1.27] centerline ribbon cable with 28 or 26 AWG [0.08 or 0.15 mm²] stranded or solid, or 30 AWG [0.05 mm²] solid conductors. Includes commercial grade hand tool with ratchet control for complete termination cycle, base assembly, bench-

mount, tooling sets for standard and novo receptacles, card edge connectors and D-Sub HDF low-profile connectors, and a carrying case.

CHAMP MI-1 "Butterfly" Hand Tools, 229378-1, -3, -20, -23

For more information, request Catalog 82008 (Miniature Ribbon Connector System), Instruction Sheet 408-7559.



Portable tool for applying 14-, 24-, 36-, and 50-position CHAMP connectors, including Category 5. Mass terminates and shears all wires in a single operation. Wires can be laced in the tool or in a separate lacing fixture, 230328-1, using color bar guides. Lacing

fixture allows 180° as well as 90° wire dress. Approximate weight (including carrying case) 8.3 lb [3.8 kg]

CHAMP Palm Grip Inserter and Index Slide Kit, 229764-2

For more information, request Catalog 82008 (Miniature Ribbon Connector System).



Kit includes index slides for 14-, 24-, 36-, 50-, and 64-position connectors, cable clamp, hex wrench for ratchet release, contact insertion/extraction tool and carrying case. Palm grip inserter features ratchet

control that will not release the pusher until it is bottomed, and an excess wire trimmer. Connectors are mounted in the slides, and indexed by hand in the inserter.

"Chordal" Modular Plug Hand Tools, 231648-1, 231649-1

For more information, request Catalog 82066 (Modular Interconnection System).



Molded plastic service grade hand tools. Feature preset, non-replaceable cable jacket stripper and color-coded die set. Dies close in a straight line. 231648-1 applies 2-, 4-, and 6-position line plugs; 231649-1 applies 4-position handset plugs.

Hand Tools for IDC Products

Professional Modular Plug Hand Tools, 231652 Series

For more information, request Catalog **82066 (Modular Interconnection System)**.



88726

Premium grade hand tools. Feature ratchet control to provide complete termination cycle, and quick ratchet release. Include interchangeable die set, with color dot code on nest and indenter, that closes in a straight line. Also has a

flat-oval cable cutter and stripper. Approximate weight .75 lb [0.3 kg].

Pistol Grip Hand Tool System

For more information, request Catalog **296176**.



Lightweight and easy-to-use hand tool for IDC connectors, featuring ratchet control that will not release the trigger until wire reaches proper insertion depth. Accepts interchangeable terminating heads that may also be used with bench-mounted

power units, 58338-1 and 931800-1. Most heads automatically index to the next contact position, or the connector may be advanced by hand to any position.

T-Handle Hand Tools, 59803-1, 59804-1, 59839-1, 91287-1, 229384-1

For more information, request Instruction Sheets **408-7558 (CHAMP)**, **408-7907 (MTA)**, **408-9481 (HDE)**.



38344

Service grade hand tools for inserting individual wires into various IDC connectors when making repairs: MTA-100, 59803-1; MTA-156, 59804-1; MTA-156 Card Edge, 59839-1; AMPLIMITE HDE, 91287-1; CHAMP, 229384-1.

Bench Machines for IDC Products

2 700-lb Pneumatic Power Units, 312522-1, -2, -3, -4

Specifications:

Width—8 [203]
Depth—13.7 [349]
Height—23.5 [596]
Weight—50 lb [22.7 kg]
Air—80-100 psi [5.51-6.89 bar]

For more information, contact Tyco Electronics.



86788-5

Bench machines for notching and terminating ribbon cable with MTA connectors, applying SDL plugs, and crimping shielding ferrules. Tooling is mounted to the ram and base plate of the frame. 312522-1 and -4 are foot actuated; -2 is pushbutton actuated, -3 is bleed-sensor actuated for use with slide

tooling. Stroke distance can be adjusted on -1, -2, and -3 machines.

Manual Arbor Frame Assembly, 91085-2

Specifications:

Width—7.6 [194]
Depth—14.2 [362]
Height—10 [254]
Weight—13 lb [5.9 kg]

For more information, request Instruction Sheet **408-7777**.



29082

Bench frame for applying a variety of IDC connectors, including AMPMODU MT, AMP-LATCH, and CHAMP. Features adjustable ram and handle, and a slide base. Tooling is mounted to the ram and into the tracks of the base plate.

Bench Machines for IDC Products

Modular Plug Dual Terminators, 1320840-1

Specifications:

Width—8 [203]

Depth—16.7 [425]

Height—20.5 [521]

Weight—62 lb [28 kg] (Terminator and Module)

Electrical—120 VAC, 60 Hz (856195-1); 220 VAC, 50 Hz (856195-6)

Air—80-100 psi [5.51-6.89 bar]

For more information, request Instruction Sheet **408-9743**.



Air-powered bench machines for simultaneously terminating both ends of flat-oval and round telephone cable with modular plugs. Also tests the assemblies when terminated for opens and shorts. Accepts interchangeable modules, 856196 series, for different size or style plugs. Tester can be set to test specific plug sizes and contact configurations.

Modular Plug Single Terminators, 354711 Series

Specifications:

Width—3.5 [89]

Depth—8.7 [221]

Height—12.5 [317]

Weight—7.2 lb [3.3 kg]

Air—80-100 psi [5.51-6.89 bar]

For more information, request Instruction Sheet **408-9919**.



Compact, lightweight, air-powered bench machines for applying modular plugs. Accepts interchangeable tooling kits, 354714 series, for different size or style plugs. Tooling kits may be ordered separately, or included with the machines. Contact insertion height is easily adjustable. Actuated by a foot valve.

Pneumatic Auto-Cycle Unit, 91112-3

Specifications:

Width—7 [179]

Depth—19 [483]

Height—13 [330]

Weight—34 lb [15.4 kg]

Air—80-100 psi [5.51-6.89 bar]

For more information, request Instruction Sheet **408-6732**.



Basically an air-powered version of Manual Arbor Frame Assembly, 91085-2. Features adjustable ram and cycle time, and automatic cycling when the lower assembly is slid into the frame to the rear of the base plate. Includes a guard around the frame opening.

Harness Board Tools

MTA Harness Board Manual Pistol Grip Hand Tools, 58645-1, 58647-1

For more information, request Catalog **296501**.



Lightweight hand tools for terminating wire harnesses with MTA-100 and -156 feed-through connectors. Tools mass terminate discrete wires or notched ribbon cable in small connectors (2 to 12 contacts for MTA-100, and 2 to 8 contacts for MTA-156). Termination

heads offer threaded mounting holes in their base for fastening to harness boards. Heads are mounted in the Manual Pistol Grip Handle Assembly, 58074-1, or Pneumatic Handle Assembly, 58075-1.

MTA Harness Board Pneumatic Hand Tools, 58575-1, 58576-1

Specifications:

Weight—2.8 lb [1.3 kg] (58575-1)

Air—75-95 psi [5.17-6.55 bar]

For more information, request Catalog 296501.

Harness Board Tools



102708

Lightweight hand tools for terminating wire harnesses with MTA connectors: 58575-1 for MTA-100; 58576-1 for MTA-156. Used with board-mounted fixtures for holding the connectors and lacing the wires. Feature an applicator that

rotates 360° to easily align with the fixtures, and engages and disengages the fixtures automatically. Insertion depth is adjustable.

Electric Discrete Wire Machines, 58020-1, -2, -4, -5

Specifications:

Width—5 [128]

Depth—13.5 [343]

Height—10 [254]

Weight—22 lb [10 kg]

Electrical—120 VAC, 60 Hz (58020-1); 220 VAC, 50 Hz (58020-4)

For more information, contact Tyco Electronics.



102866

Bench machines for terminating wires one-at-a-time with AMPLIMITE HDE D-Sub and AMPMODU MT connectors with insulation displacement contacts. Feature a feed mechanism that automatically indexes the connector to the next position after each termination. The connector may also be advanced without cycling the

machine. Insertion depth is adjustable. Actuated by a foot switch.

Electric Power Unit, 931800-1

Specifications:

Width—7 [178]

Depth—14 [356]

Height—10 [254]

Weight—12 lb [5.4 kg]

Electrical—120 VAC, 60 Hz, 2 A

For more information, request Catalog 296176 (Pistol Grip Hand Tool System).



296338

Lightweight bench machine for use with the same interchangeable terminating heads used with Pistol Grip Hand Tool, 58074-1. Also accepts heads with either loose-piece or tape feed tracks for applying MTA connectors, and a head with a tube feed track and seating station for applying

AMPMODU MTE connectors. Actuated by a foot switch.

MTE Ribbon Cable Terminator, 856002-1

Specifications:

Width—43 [1 092]

Depth—10 [254]

Height—21 [533]

Weight—60 lb [27.2 kg]

Air—80 psi [5.51 bar] min., .5 scfm [0.00024 m³/s]

Cable Range—30-22 AWG [0.05-0.4 mm²], .100 [25.4] centerlines

For more information, contact Tyco Electronics.

Semiautomatic Machines for Ribbon Cable



856071

Air-operated bench machine for mass terminating notched ribbon cable with AMPMODU MTE connectors. Connectors are fed through their packaging tube into the terminating station by a spring-loaded pusher tape. Contacts are inserted into the connector housing in a manually-operated seating station alongside the terminating

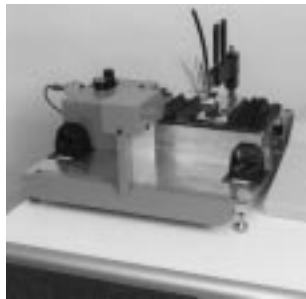
station. Insertion depth is adjustable. Actuated by a foot valve.

Semiautomatic Machines for Jacketed Cable

**CHAMPOMATOR 2.5
Terminating Machines,
354786 Series, plus
Controllers, 852423-1, -3****Specifications:****Machines:****Width**—24 [610]**Depth**—24 [610]**Height**—12 [305]**Weight**—75 lb [34 kg]**Air**—80 psi [5.52 bar] min.,
.75 scfm [0.00035 m³/s]**Controllers:****Width**—11 [286]**Depth**—17 [438]**Height**—6 [152]**Weight**—21 lb [9.5 kg]**Electrical**—120 VAC, 60 Hz (852423-1);
220 VAC, 50 Hz (852423-3); 480 VAFor more information, request Catalog
82247, Video **198043**.

930319-2

Compact bench machines for terminating multi-conductor, jacketed cable with a variety of IDC connectors. Microprocessor controlled, and programmed using a membrane-switch keyboard. Automatically index the connector through the programmed termination pattern. Terminate either a pair of wires simultaneously in opposite contacts, or just one wire at a time.

**CHAMPOMATOR 2.6
Terminating Machine,
662300-1, plus Controllers,
852423-4, -5****Specifications:****Machine:****Width**—16 [400]**Depth**—21 [530]**Height**—10 [250]**Weight**—75 lb [35 kg]**Electrical**—120 VAC, 60 Hz, 4 A**Air**—80 psi [5.52 bar] at 1.13 scfm
[0.000533 m³/s]**Controllers:****Width**—11 [285]**Depth**—17 [440]**Height**—6 [150]**Weight**—21 lb [9 kg]**Electrical**—120 VAC, 60 Hz (852423-4);
230 VAC, 50 Hz (852423-5); 480 VAFor more information, request Catalog
82247.

106256-1

Terminates 30 AWG [0.06 mm²], .024 [0.61] maximum insulation diameter wires in the IDC contacts of 68-position 0.8 mm Offset CHAMP plugs. It uses a process similar to the Model 2.5 machine for wire handling. The Model 2.6 bench machine comes complete with a mandrel assembly, connector nest, and inserter package. A 180° cable clamp is provided with the machine.

Automatic Machines for Ribbon Cable

R-CAM 2A Ribbon Cable Assembly Machine, 760700-6, -7

Specifications:

Width—102 [2 591]
Depth—58 [1 473]
Height—60 [1 524]
Weight—960 lb [435 kg]
Electrical—120 VAC, 50 or 60 Hz (760700-6); 220 VAC, 50 or 60 Hz (760700-7); 1 800 VA



77009-2

Air—80 psi [5.52 bar] min., 8 scfm [0.00378 m³/s] min.

For more information, request Catalog **296060**.

Fully-automatic machines for producing and testing .050 [1.27]-centerline ribbon cable assemblies up to 48 [1 219] long with up to four connectors in any orientation. Supplied with tooling to apply AMP-LATCH 20-64 position card-edge connectors and novo receptacles. Other tooling may be ordered separately. Microprocessor controlled, and programmed and operated using an interactive touchscreen.

R-CAM 3A Ribbon Cable Assembly Machines, 761900-1, -2

Specifications:

Width—48 [1 219]
Depth—48 [1 219]
Height—62 [1 575]
Weight—630 lb [286 kg]
Electrical—120 VAC, 50 or 60 Hz (761900-1); 220 VAC, 50 or 60 Hz (761900-2); 1 800 VA
Air—80 psi [5.52 bar] min., 8 scfm [0.00378 m³/s] min.



31535

Production Rate—1 075 assemblies/hr (2 connectors, 4 [102] length)

For more information, request Catalog **296060**, Video **198056**.

High-speed models for producing and testing .050 [1.27]-centerline jumpers up to 105 [2 667] long with one or two connectors. It can also produce two-connector assemblies with up to 50 [1 270] long unterminated tails. Controlled, programmed and operated similar to the R-CAM 2A machines.

R-CAM 4 Ribbon Cable Assembly Machines, 318800 Series

Specifications:

Width—68 [1 727]
Depth—58 [1 473]
Height—72 [1 829]
Weight—590 lb [300 kg]
Electrical—120 or 220 VAC, 50 or 60 Hz; 1 800 VA



98763-2

Air—80 psi [5.52 bar] min., 12 scfm [0.00566 m³/s] min.

For more information, request Catalog **296060**.

Top-of-the-line models for producing and testing daisy-chained assemblies up to 100 [2 540] long with up to 10 connectors in any orientation. Longer lengths are possible with limitations. Can be converted to run either .050 [1.27]- or .025 [0.63]-centerline cable. Can also process slit-and-twist cable. Controlled, programmed and operated using either an interactive touchscreen or a keyboard.

CHAMPOMATOR 3A Terminating Machines, 662600 Series

Specifications:

Width—60 [1 524]
Depth—24 [610]
Height—48 [1 219]
Weight—250 lb [113 kg]
Electrical—120 VAC, 50 or 60 Hz, single phase, 1A
Air—80 psi [5.52 bar] min., 10 scfm [0.00472 m³/s] min.



80720

For more information, request Catalog **82247**, Video **198026**.

Automatic terminating machines for AMPLIMITE HDE, AMPMODU Level V and CHAMP connectors. Microprocessor controlled, and programmed and operated using an interactive touchscreen.

Terminate wires at random or selectively by identifying each wire by checking continuity with the terminated opposite end. Also test for shorts. Cable clamps available for 90° and 180° wire dress.

Connector Insertion Devices

SM-3, 814700-2

Specifications:

Width—35.5 [902]

Depth—23 [584]

Height—26.5 [673]

Weight—290 lb [132 kg]

Capacity—6 000 lb [26 700 N]

Air—80 psi [5.52 bar] min.,
1.5 scfm [0.00071 m³/s] min.

For more information, contact Tyco Electronics.



Compact, air-powered bench machine for seating preassembled ACTION PIN connectors with up to a total of 150 contacts. Seating tools may be required depending on connector styles. It can accommodate pc boards up to 20 [508] wide. Machine cycling is operator controlled in conjunction with either

pressure or board sensing to compensate for board thickness variations. Cycling time is 4 seconds.

Connector Seating Machine BMEP-3T, 1399400-1, BMEP-5T, 1399401-1

For more information, contact Tyco Electronics.



This cost effective bench mounted machine is used for semi-automatic pressing of ACTION PIN (Compliant Pin, Pressfit) connectors into printed circuit boards. A PC controls the machine, and the pressing force is delivered by an all-electric servomotor, providing precise control of force, speed, and seating height. The touch screen monitor provides a user-friendly

interface. The bar code scanner provides PCB serial number input for product tracking. The pressing process is data driven, and setup is fully-automatic. Press quality monitoring includes minimum force, maximum force, and seated height. The automatic setup and quality monitor virtually eliminates human error and product related defects.

Connector Seating Machine MEP-6T, 1399500-1, MEP-12T, 1299501-1

For more information, contact Tyco Electronics.



Machine is used for semi-automatic pressing of ACTION PIN (Compliant Pin, Pressfit) connectors into printed circuit boards. It is mounted on wheels for portability, but can be locked in place. It functions in the same fashion as the BMEP presses, but provides more pressing

force and larger PCB working area. While the BMEP accommodates PCBs up to 450mm x 600mm, the MEP can process up to 900mm x 1200mm.

Connector Seating Machine AEP-12T, 1399600-1

For more information, contact Tyco Electronics.



PC controlled four-axis all electric servo press is used for fully-automatic pressing of ACTION PIN Connectors into printed circuit boards. The PC controls the functions required for pressing a large variety of connectors of a PCB without human intervention. The touch screen provides a user-friendly interface, and a barcode scanner provides PCB serial number input for

product tracking. The pressing process is data driven, and setup is automatic. The AEP-12T press can be interfaced with the ACP-3648 pick and place cell for a fully-automatic assembly line.

Connector Insertion Devices

Connector Seating Machine ACP-3648, 1399700-1, Large Area Pick and Place with Vision Inspection

For more information, contact
Tyco Electronics.



PC controlled machine used to automatically pick, inspect, and place a variety of connectors and odd form components onto PCBs (up to 900mm x 1200mm). It utilizes adjust-able width pass-through conveyor. Components are presented to the 5-axis Cartesian robot by feeders. Each component is inspected,

positioned, and lightly pressed to hold position before the PCB is transferred to the AEP-12T or other machine for pressing. Functions include machine vision PCB locating, machine vision inspection of pin tips, X Y & Theta positioning, and force verified inspection.

Single Contact Insertion Devices

Comp-U-Sertor II Machines, 122300-1, -2

Specifications:

Width—58 [1 473]

Depth—66 [1 676] with reel

Height—63 [1 600]

Weight—500 lb [227 kg]

Electrical—120 VAC, 50 or 60 Hz (122300-1); 220 VAC, 50 or 60 Hz (122300-2); 1 800 VA

Air—80 psi [5.52 bar] min., 15 scfm [0.00708 m³/s] min.

Insertable Area—12 x 18 [305 x 457] max.

For more information, request Catalog
296059.



Microprocessor-controlled X-Y positioning table for inserting a variety of products into pc boards, including .025² stamped or banded posts, mini-spring sockets, and FASTON tabs. Insertion heads for the different products are interchangeable, and may also be used with bench machines. Controlled, programmed and operated using an interactive touchscreen. Options include double-action

clinch tooling, powered dereeler, splice run-out detector, take-up winder for paper tape, and scrap chopper.

P300 Automatic Insertion Machine

Specifications:

Width—57.5 [1 460]

Depth—64.5 [1 640]

Height—60 [1 520]

Weight—Depending on configuration

Electrical—110 V, 60 Hz

Air—87 psi [6 bar]

Insertable Area—24 x 16 [600 x 400]

For more information, contact Tyco
Electronics.



Automatic machine for inserting a variety of contacts into pc boards (PCBs). Equipped with an insertion tool (comprised of a product-specific insertion head, an anvil, and a product feed mechanism). Stepper-motor driven X-Y table positions PCBs under insertion head. Surface Mount Equipment Manufacturers Association (SMEMA) compatible inline PCB Insertion Station for

posts, tabs, receptacles or sockets. Stand-alone unit is field upgradeable to Pass Through. Mounts up to four AMP pneumatic insertion heads. Modem diagnostics standard, vision system optional. Control panel used to program and monitor entire insertion process.

Single Contact Insertion Devices

Modular Insertion System (MIS) Bench Machines, 217600 Series, 662820 Series (shown)

Specifications:

Width—18 [457]

Depth—24 [610]

Height—18 [457]

Weight—250 lb [113 kg]

Electrical—120 to 220 VAC, 50 or 60 Hz (217600); 120 or 240 VAC, 60 Hz, single phase, 120 VA (662820)

Air—80 psi [5.52 bar] min., 15 scfm [0.00708 m³/s] min.

Insertable Area—18 x 22 [457 x 559] max.

For more information, request Catalog **296059**.



Bench machines for inserting a variety of products into pc boards. Uses the same interchangeable insertion heads as the Comp-U-Sertor II Machines. Series 217600 machines feature a manually-operated X-Y positioning fixture, plus a locator spotlight. The machine cycles when the board hole is placed on the anvil and both triggers on the dual handles attached to the X-Y fixture are depressed. Series 662820 machines, without board fixturing, cycle automatically

when the hole is properly located. A stabilizing disk over the anvil helps keep the board level.

MAG-MATE Products

MAG-MATE Product Terminator (MPT-5)

Specifications:

Width—73 [1 855] max. (with two 24 [610] dia. terminal reels)

Depth—29 [740]

Height—42 [1 070]

Weight—190 lb [86 kg]

Electrical—120 VAC, 60 Hz, or 220 VAC, 50 Hz; 1A

Air—80 psi [5.52 bar] min., 3 scfm [0.00142 m³/s] min.

For more information, request Catalog **296501**, page 50.



Dual-direction feed capable, microprocessor-controlled, semiautomatic bench machine for inserting Standard, Mini, or Slim Line MAG-MATE products. Easy-to-use push button controls for programming, with LCD display. Accepts one or two reels of different strip form products. Can also accept two reels of similar products with varying IDC wire slots. Fixturing is custom designed.

Machine inserts one or two terminals at a time and trims off excess magnet wire. Also available as a module for use in automatic equipment.

Single Contact Devices for Flexible Circuits

Flexible Film Termination Machines, 224910-1, -2, -3, -4, -6

Specifications:

Width—20.5 [520]

Depth—27.5 [700]

Height—18 [460]

Weight—100 lb [45 kg]

Electrical—120 VAC, 60 Hz, (224910-1, -3, -4); 240 VAC, 50 Hz (224910-2, -6)

For more information, contact Tyco Electronics.



Semiautomatic bench machines for terminating .050 [1.27]-, .100 [2.54]-, .200 [5.08]-, and .300 [7.62]-centerline cable, circuitry and printed wiring. All positions are terminated automatically one after another. To skip positions, an optional Programmer Kit, 356484-1, is available. Crimp height is adjustable.

Strippers

Cable Stripper/Slitter, Model CS-1, 606700-1

For more information, request Instruction Sheet **408-9688**.



100305

Hand tool for stripping round cable up to 1.0 [25] outside diameter (approximately 350 kcmil [175 mm²] conductor). Uses a "V" clamp that slides in and out for cable positioning. Blade can be

rotated 90° for circular or lengthwise cuts. Blade depth is also adjustable. Edge of clamp can be used to help separate cable jacket. Supplied with a spare blade.

Coaxial Cable Stripper Kits, 603995-1, -2, -3, -5, -6

For more information, request Instruction Sheet **408-2766**.



47008

Hand tool for stripping the more popular sizes of coaxial cable. Features interchangeable, color-coded blade cassettes for different strip lengths. Kits include a specific blade cassette plus a set of four interchangeable, color-coded blocks for

accommodating different cable diameters ranging from .10 [2.5] to .30 [7.6]. Blade depth is adjustable.

Semi-Rigid Cable Preparation Machine, 220211-2

Specifications:

Width—11.6 [295]
Depth—8.2 [210]
Height—6 [152]
Weight—45 lb [21 kg]
Electrical—120 VAC, 60 Hz, 2 A

For more information, contact Tyco Electronics.



365504

Compact, semiautomatic machine for cutting and stripping the outer conductor and dielectric, and chamfering the center conductor. Interchangeable tooling, 813599-1, -2, available for preparing 402 and 405 RG/U cables, respectively, for termination with Blindmate, N, SMA, and TNC connectors.

Features a carriage for securing the cable for cutting and stripping. Cutting speed and depth is adjustable.

Automatic Cut and Strip Machine, 1214316-1

Specifications:

Width—14.6 [370]
Depth—16.1 [410]
Height—10.8 [275]
Weight—48.6 lb [23 kg]
Electrical—120 or 220 VAC, 50 or 60 Hz, 160 VA
Wire Range—32-10 AWG [0.05-6 mm²] stranded, 32-16 AWG [0.05-1.5 mm²] solid
Wire Lengths—.04 [1.0]-3 280 ft [1 000 m]
Strip Lengths—up to 1.77 [45]

For more information, request Catalog **1307238**.



100508-7

Fully electric, microprocessor-controlled bench machine for processing wire and round and flat cable. Features LED display prompts for easy-to-follow setups and operation, automatic wire loading and unloading, and universal V-type blades. Pre-feeder and wire stacker, available for unattended operation. Process 5 200 wires per hour (22 AWG [0.3 mm²], 4 [100] length, partial strip both ends).

Strippers

Semiautomatic Pneumatic Wire Stripper Machine, 1214315-1**Specifications:****Width**—2.75 [70]**Depth**—10.4 [265]**Height**—5.32 [135]**Weight**—4.4 lb [2 kg]**Air**—75-105 psi [5.17-7.24 bar], .01 ft³ [.00028 m³]/operation**Wire Range**—32-14 AWG [0.05-1.65 mm²]**Strip Lengths**—.06-.79 [1.5-20]For more information, request Catalog **1307238**.

Compact, lightweight, air-powered bench machine for stripping wires up to 14 AWG [1.65mm²], and cable up to .13 [3.2] OD. Features automatic sensor activation and universal V-type blades for processing varying wire sizes without changing blades. Full or partial stripping. Approx. .3 second machine cycle time for longest strip length.

Semiautomatic Electric Wire Stripper Machine, 1338083-1**Specifications:****Width**—2.75 [70]**Depth**—12.5 [318]**Height**—5.32 [135]**Weight**—5.7 lb [2.6 kg]**Electrical**—100-240 VAC, 47-63 Hz**Wire Range**—10-32 AWG [0.03-5.26 mm²]**Strip Lengths**—.06-1.00 [1.5-25]For more information, request Catalog **1307238**.

Bench machine for stripping wires up to 10 AWG [5.26mm²], and cable up to .28 [7] OD. Features automatic sensor activation and universal V-type blades for processing varying wire sizes without changing blades. Full or partial stripping. Approximately .3 second machine cycle time for longest strip length.

Floor-Standing Wire Prefeeder, 1214317-1**Specifications:****Wire Insulation OD** — .35 [9] Max.**Reel Width** — 12 [305] max. standard; 16 [405] max. with 20 [510] shaft; 18 [455] max. with 22 [560] shaft, extension kit and braking system**Reel Diameter** — 20 [510] max. standard; 48 [1 220] max. with extension kit and braking system**Reel Core Diameter** — .75-2.5 [19-65]**Reel Weight** — 100 lb [45 kg] Max.**Feed Rates** — .13-4.7 ft/s [0.04-1.44 m/s]; .20-5.6 ft/s [0.06-1.72 m/s]; .40-6.9 ft/s [0.12-2.10 m/s]**Speed Rate** — 0-6.9 ft/sec (0-2 m/sec)**Width** — 24 [610] standard; 36 [915] with frame extension**Depth** — 21 [535]**Height** — 46 [1 170] with guide arm fully extended**Weight** — 125 lb [57 kg]**Electrical** — 120 VAC, 60 Hz, 300 VA

Prefeeder for use with the AMPOMATOR CLS IV+ Lead-Making Machine, as well as the Automatic Cut and Strip Machine. It can feed wire from either reels or barrels. Three different ranges of feed rates can be easily selected to match the speed of the equipment being fed. For larger reels, optional reel mounting shafts, a reel holder frame extension kit, and a reel-braking system are available.

Strippers

**Electric Bench Prefeeder,
1424100-1****Specifications:**

Outer Cable Diameter — max. OD: .236 [6.0] (Guide tube clearance: .280 [7])

Outer Cable Reel Diameter — 18 [475]

Max. Cable Reel Width — 12 [305]

Max. Cable Reel Weight — 44 lbs. [20 kg]

Shaft Length — 16 [406]

Diameter Reel Center — .750-2.50 [19-65]

Speed Rate — 0-5.9 ft/sec [0-1.8 m/sec]

Depth — 16.5 [419]

Width — 18 [457]



The Bench Prefeeder is a perfect companion to the Automatic Cut and Strip Machine, P/N 1214316-1. This prefeeder uses a traditional dancer slide and an electronically controlled belt drive transport system. The price/performance ratio of this economical prefeeder makes it a good choice for feeding small to medium sized spools.

Height — 11.8 [300]

Dancer Height — 22 [559]

Motor — 1/8 HP DC

Electrical Requirements — 100, 120, 220, 240, VAC 50-60 Hz/120 VA

Net Weight — 38 lbs [17 kg] without optional rack

**Kappa 225, Automatic Cut
and Strip, 3-547178-0****Specifications:**

Width — 22 [560]

Depth — 15.4 [390]

Height — 13.4 [340]

Weight — 79.4 lb [36 kg]

Wire Cross-Sections — Stranded wire: 30-8 AWG [0.05 - 10mm²]; Solid wire: max. 14 AWG [2.5 mm²]

Outer Diameter — 0.41 [10.5] max.

Flat Ribbon Cables — 0.47 [12]



The Kappa 225 is a universally, versatile machine for cutting and stripping single and multi-conductor wires. With its high cutting and pull-off power, the Kappa 225 is able to process stranded wires up to 8 AWG with an outside diameter of 0.41 inch.

Length Range — 0.04"-328.05ft [1mm - 99.99m] (+/- 0.2% or 1mm, depending on wire length)

Electrical — 110 / 230V - 50/60Hz, switches automatically

For more information, request Catalog **1307774**.

**Kappa 230, Automatic Cut
and Strip, 3-547178-1****Specifications:**

Width — 25 [630]

Depth — 16 [400]

Height — 13.4 [340]

Weight — 95 lb [43 kg]

Wire Cross-Sections — 24-5 AWG [0.22 - 16mm²]

Flat Ribbon Cables — width up to 40mm

Length Range — 0.04"-328ft [1mm - 99.99m] (+/- 0.2%)

Electrical — 110 / 230V - 50/60Hz, switches automatically

For more information, request Catalog **1307776**.



The Kappa 230 has all the features of the Kappa 225 plus the capability of processing wires with a cross section up to 6 AWG.

Strippers

Kappa 240, Automatic Cut and Strip, 3-547178-4 & Kappa 240 PCH, 5-547178-1

Specifications:

Width — 40.5 [103cm]

Depth — 31 [79cm]

Height — 22 [57cm]

Weight — 435 lb [198kg]

Wire Cross-Sections —
14-3/0 AWG [2.5 - 33mm²]

Length Range — 9" - 328 ft
[233mm - 99.99m]

Electrical — 115 / 230V - 50/60Hz,
switchable

For more information, request
Catalog **1307902**.



The top of the line Kappa 240 has a programmable swiveling and stripping head with the capability of processing 3/0 AWG wire. In addition it can do slitting and intermediate slitting of the wire jacket.

Wire Stripper Hand Tool, Model WS-2, 601827-2

For more information, request
Instruction Sheet **408-9686**.



Hand tool for cutting and stripping stranded or solid 20-12 AWG [0.3-3 mm²] wire sizes. Wires are stripped at the front of the tool, thereby allowing access to short wires in confined areas. Also features a 3-position stripping depth adjustment, and an adjustable wire stop. Stripping jaws can be replaced with assembly 1-601827-2.

Cable Cutters

Ratcheted Cable Cutter Hand Tool, 607453-2

Specifications:

Height—16 [406]

Handle Opening—19.5 [495] max.

Weight—3.3 lb [1.5 kg]

For more information, request
Instruction Sheet **408-4089**.



Lightweight hand tool for cutting up to 600 kcmil [300 mm²] copper or 800 kcmil [400 mm²] aluminum conductors. Features a highly-leveraged, circular cutting motion using a ratcheted moving blade. The blade can also be quickly advanced using a take-up button conveniently located just beyond the handle grip.

Cutting Tool

Cutting Tool Kit, 314818-1

Specifications:

Width—5.1 [130]

Depth—9.0 [230]

Height—5.5 [140]

Weight—14.7 oz [417 g]

For more information, request Catalog 296501, page 45, Instruction Sheet 408-9707.



107302

Tool cuts AMPMODU Mod. II Breakaway Headers (Single- or Double-Row, Vertical or Right-Angle) with .025 [.64] square posts on .100 [2.54] centers. The Kit includes a Pistol Grip Ratchet Handle, a Locator, a Cutting Head (includes blades and a stored set of 2 extra blades), a Hex Wrench, and a Carrying Case.

Crimp Quality Monitor (CQM)

Crimp Quality Monitor (CQM), 1320420-1, -2

Specifications:

Width—8.8 [220]

Depth—8.1 [205]

Height—4.6 [115]

Weight—5 lb [2.3 kg]

Electrical—100-240 VAC, 50/60 Hz, 3.2 A

For more information, request Catalog 82275.



1106025-1

This unique system provides 100% on-the-fly crimp inspection. It measures the crimp height of each termination, and evaluates the quality of each crimp. If a crimp is questionable, the monitor alerts the operator with both visual and audible alarms. It also provides ports for printing and networking. When used with AMP-O-LECTRIC Model "G" Termination Machines, the monitor is mounted to the machine. When used with AMPOMATOR CLS IV Lead-Making Machines, it is integrated into the machine's operating system.

Engineering Notes

A large grid area for writing engineering notes, consisting of a 30x30 grid of small squares.