



Application Tooling

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AMP SDE – Standard Die Envelope

- This flexibility in die options provides the capability to crimp a large variety of product types and wire sizes
- Use multiple application platforms from manual hand tools and electrical bench terminators to a portable battery-powered unit
- Crimp Die Design Service will design dies to your custom requirements
- Order Catalog 1654003, “SDE (Standard Die Envelope)”



AMP SDE PEW Hand Tool

- Provides easy accessibility for space constrained applications and a large crimp jaw arc, minimizing “roll” in open barrel applications
- SDE die sets are interchangeable and crimp a wide variety of terminals and contacts in many different wire sizes
- Comfortable handle design, unlike any comparable tool on the market
- Order Catalog 1654003, “SDE (Standard Die Envelope)”



AMP Battery Crimp Tool Kit

- Compatible with all SDE dies
- Completely portable (approx. 100 crimps per charge)
- Terminates max. wire sizes of 6mm² (10 AWG)
- Weighs 1.57 kg (3.46 lbs) w/battery; 360 mm long (14 in.)
- Kit includes tool, two batteries & charger
- Pressure sensitive, cycle control
- Order Catalog 1654003, “SDE (Standard Die Envelope)”



AMP PRO-CRIMPER III Hand Tool

- Compatible with all SDE dies, with enhanced ergonomics, providing a thinner, more comfortable handle profile
- Exceptional quality and crimp performance at an affordable price
- Precision stamping techniques permit close tolerance controls on critical parts, providing exceptional crimp performance and repeatability
- Improved geometric design strengthens tool frame for longer service life
- Industry’s largest selection of crimp die options, crimping a large variety of terminals and contacts in many wire sizes
- Order Catalog 82276, “PRO-CRIMPER Hand Tool”



AMP SDE Electric Terminator

- Compatible with all SDE dies
- Terminates max. wire size of 6 mm² (10 AWG)
- Small footprint – 390 mm x 260 mm x 220 mm (15.5” x 10” x 8”); 18 kg (29 lbs)
- Foot actuated
- Jog cycle; includes crimp adjustment
- Available in 110V or 220V
- CE approved
- Order catalog 1654714, “SDE Electric Terminator”



AMP TETRA-CRIMP Hand Tool

- Dies travel in arc-like path
- Multiple color-coded crimping cavities
- Terminal locator and wire stop
- Ratchet control release
- Approx. weight 1.4 lb (0.95 kg)
- Order Catalog 65780, “CERTI-CRIMP Hand Tools”



AMP Heavy Head Hand Tool (HHHT)

- Designed to terminate most large coaxial cable and heavy-gage wire
- Dies close in a straight line
- Locator and wire stop when applicable
- Insulation crimp adjustment on tools for AMPLI-BOND, PIDG and PLASTI-GRIP terminals
- Approx. weight 2.1 lb (0.95 kg)
- Order Catalog 65780, “CERTI-CRIMP Hand Tools”



AMP CERTI-CRIMP Straight Action Hand Tool (SAHT)

- Designed to exacting specifications; repairable
- Ratchet control provides complete crimping cycle
- For most military, UL and CSA applications
- Manufactured using the highest quality materials
- Many SAHT and double action hand tool crimping heads, and many die sets, can be adapted for use with the 626 Pneumatic Tool System
- Order Catalog 65780, “CERTI-CRIMP Hand Tools”



AMP CERTI-CRIMP T-HEAD Hand Tool

- Dies close in a straight line
- Includes terminal locator
- Quick take-up on handle for holding terminal or splice in place
- Adjust insulation crimp with a four-position screw
- Color coded
- Approx. weight 1.3 lb (0.59 kg)
- Order Catalog 65780, "CERTI-CRIMP Hand Tools"



AMP Hand Tool for Products with MOST Technology

- Precise location of Plastic Optical Fiber cable and insert
- Concentric 4-indent crimp
- Safety ratchets ensure the completion of the crimp cycle
- Extended tool life
- Operator friendly ergonomic design



AMP ROTA-CRIMP Hand Tools

- Premium grade hand tools
- Crimp large SOLISTRAND and tubular terminals and splices, and CABLE MAKER battery terminals
- Die sets rotate providing multiple crimping configurations for the different terminals and splice sizes
- Equipped with ratchet control to provide complete crimp cycle
- Order Catalog 1242066, "ROTA-CRIMP Hand Tools"



AMP Hydraulic Crimp Tools

- Interchangeable dies, in standard "U" die format
- Standard 10,000 psi rated heads and pumps
- Lightweight (5 lb) compression head option
- Termination range is from #8 to 4/0 AWG
- Available with high performance AMP crimp profiles
- Order Catalog 1654519, "Hydraulic Tooling"

AMP 626 Pneumatic Tool System



- Pneumatic-powered system providing the ultimate in wire range flexibility
- Includes a jaw adapter compatible with SDE dies
- Available in hand or foot actuated versions, with ratchet control
- Also available in a number of integral die options that terminate up to 6 AWG SOLISTRAND terminals
- Power unit available as sell or lease
- Order Catalog 124208, "Pneumatic 626 Tool System"

Raychem Hand Crimping Tools



- Crimp tools for MiniSeal & DuraSeal crimp splices
- Various holding fixtures
- Order Catalog 1654025, "Raychem Wire and Cable, Harnessing and Protection Products"

Terminator Machines for Connector Crimping

AMP 3K/40 and AMP 5K/40 Terminators

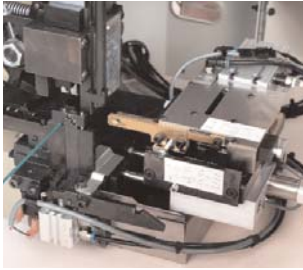


- 3,000 lb (1361 kg) max. crimp force (AMP 3K/40)
- 5,000 lb (2268 kg) max. crimp force (AMP 5K/40)
- Tool-less removal of applicators and guards for quick and simple maintenance and product changeover
- Jog capability
- Wide range of optional equipment such as tool-less precision crimp height adjust, batch counter; CQM (Crimp Quality Monitor) capability and work light
- Order Catalog 1654856, "AMP 3K/40 and 5K/40 Terminators"

AMP-O-LECTRIC Model G Terminator



- Tool-less changeover of applicators
- Precision manual- or auto-adjust for crimp height
- Total and batch counter
- Accepts all existing AMP miniature applicators, with minor modifications
- Reduced maintenance requirements
- Order Catalog 65828, AMP-O-LECTRIC Model G Terminator"



Stripping Module for AMP-O-ELECTRIC Model G and AMP 3K/5K Terminators

- Field installed or available as one unit from the factory
- Accepts End- and Side-Feed HDM Applicators; 32-14 AWG (slight modification required)
- 3 Modes of Operation; Crimp Only, Strip Only, Strip and Crimp
- Footswitch or sensor activated
- Microprocessor controlled with simple operator interface
- Order Catalog 1309085, "Stripping Module for AMP-O-ELECTRIC Model G and AMP 3K/5K Terminators"



AMP Crimp Quality Monitor (CQM)

- Monitors the wire barrel crimp of open-barrel, uninsulated contacts
- Real-time monitoring of every crimp
- Calculates and displays actual crimp height
- Menu-driven programming
- Automatically adjusts crimp height on some machines
- Order Catalog 82275, "Crimp Quality Monitor"



AMP Stripper Crimper Machine

- Strip and terminate wires; 32-14 AWG (0.03-2 mm²)
- Fast set-up times: 10 minutes or less
- Select foot switch or wire sensor mode of operation
- Lock-out/tag-out device per OSHA Standards #29CFR1910.147
- Order Catalog 65004, "Stripper-Crimper Machines (AMP-O-MATIC and AMP-TAPEMATIC 4/8 Indent)"



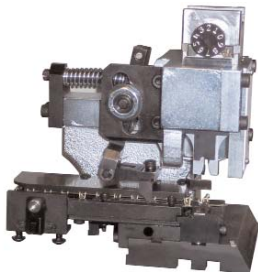
AMP HD-M (Heavy-Duty Mini) Applicator

- Designed to produce consistent, high-quality terminations
- Manufactured using high quality materials to provide long service life
- Mini applicators available, depending on customer specifications, to crimp non AMP side-feed and end-feed terminals and contacts
- Compatible with CQM (Crimp Quality Monitor) when used with machine mounted sensors
- Order Catalog 296393, “Applicators for non AMP Terminals and Contacts”



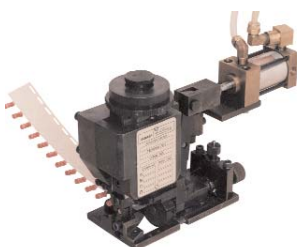
AMP HD-I Applicator

- Based upon field proven HDM design for long life and consistent, high-quality terminations
- Competitively priced with lease options available
- Quick-change design allows for minimal downtime
- Independent wire and insulation crimp adjustments
- Available for a wide variety of products
- Spare parts kits available using convenient part number system



AMP HD-C Applicator

- JAM-Style mounting in terminator
- Metric hardware
- Over 2,000 terminal designs available
- Can design competitors terminals into this applicator platform
- 30 mm stroke



AMP Tape Applicators

- Miniature-style applicators that accept interchangeable die sets for crimping a variety of tape-mounted terminals and splices, including PIDG, PLASTI-GRIP and SOLISTRAND
- Air-powered feed mechanism



AMP Automatic Wire Stripper

- Easy change stripping blade cassettes
- Cuts and strips up to 10 mm² (34-8 AWG)
- Strips PVC, THHN, THHW and Teflon® insulation
- Order Catalog 1654026, "Contractor Tools"



AMP Rotary Cable Stripper

- Round cable tool can be used on single or multiple conductor cable up to 1.75" in diameter
- Order Catalog 1654026, "Contractor Tools"



AMP Cable Tie Installation Tool

- Applies nylon cable ties with max. tensile strength of 50 lb (222 N)
- Features an adjustment for regulating the amount of tension it applies before automatically trimming off the unused end
- All metal construction
- Order Catalog 1654026, "Contractor Tools"



AMP Ratcheted Cable Cutter

- Great for copper and aluminum cable up to 1.5" in diameter
- Fiberglass handles
- Not for steel or ACSR cable
- Order Catalog 1654026, "Contractor Tools"

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Delta 50 Semi-Automatic Stripper

- Precise stripping of the finest gage conductors
- No conversion required for different wire cross sections
- Processing of single and multiple pole conductors
- Full or partial pull-off
- Powered by electricity only
- Order Catalog 1654956, "Wire Preparation Equipment"



Kappa Family of Automatic Strippers

- Controlled in a simple, clear manner from the LCD
- Ideal for even tiny batches due to the extremely short conversion times
- Extensive assortment of accessories with feed, PC software, ink-jet/hot-stamp marking and wire deposit systems
- Large range of processing
- Order Catalog 1654956, "Wire Preparation Equipment"

Magnet-Wire Termination Equipment



APT IIIA, AMPLIVAR Product Terminator

- Programmable sequencing for as many as seven different crimp heights
- Equipped with CQM (Crimp Quality Monitor); 100% inspection
- Auto-adjusts crimp height while in operation
- Up to three magnet wires in one splice
- Wire stuffer options minimize product changes
- Order Catalog 1308248, "APT Machines for Magnet Wire Pigtail Splice and Contact Applications"



AMP MPT-5, MAG-MATE Product Terminator

- Terminates magnet wires and inserts terminal(s) in one stroke
- Speed and versatility
- Copper and aluminum magnet wire
- Horizontal and vertical styles
- Order Catalog 1308387, "MPT-5 Machines for Magnet Wire"



AMP MPT-5 S/L Machine for Magnet Wire Coil Termination

- Single, dual and triple insertion
- Two-reel, two-product capability, with alternating feed capability
- Module integrates into production lines using simple handshake signals
- Fine adjustment mechanism for insertion depth (.001" increments)
- Tube-type insertion tooling for standard SIAMEZE & Lead Lok terminals
- Order Catalog 82221, "Magnet Wire Terminals"



AMP MIS (Modular Insertion System) Bench Machine

- Up to 2,000 cycles per hour
- Machine cycles only when hole is properly located
- Available with board fixture and two-hand trip
- Optional scrap chopper
- Order Catalog 296059, "Modular Insertion Systems"



AMP Power Splice Machine for Magnet Wire / Lead Wire Pigtail Splice Termination

- Terminate magnet wire and lead wire together
- Servo-driven 5-ton terminator
- One control cabinet operates two terminators
- Programmable crimping ram stroke
- Hand held control pendant
- Crimp force monitoring and crimp height sequencing
- Order Catalog 82221, "Magnet Wire Terminals"



AMP Pistol Grip Hand Tool System for IDC Connectors

- Terminates 28-16 AWG (0.08 – 1.2 mm²) wires
- Pistol grip (manual or air) or bench mount (air or electric) power units
- Lightweight and easy to operate
- For prototypes or low- to medium-volume production
- Small size; useful in confined work areas
- Order Catalog 296176, “Pistol Grip Hand Tool for Insulation Displacement Connectors”



AMP CHAMP MI-1 “Butterfly” Hand Tool

- 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 using color bar guides
- Lacing fixture allows 180° as well as 90° wire dress

AMP CHAMPOMATOR 2.5 Terminating Machine

- Compact, semiautomatic bench machine for terminating multi-conductor, jacketed cable
- Low applied costs
- Terminates most jacketed cable
- Straight (180°) or right-angle (90°) wire dress
- Microprocessor controlled; stored program capability
- Rapid tooling changeover for different connector types
- Order Catalog 82247, “CHAMPOMATOR Terminating Machines”



AMP CHAMPOMATOR 2.6 Terminating Machine

- Terminates 30 AWG, .024” max. insulation diameter wires in the IDC contacts of 68-position 0.8 mm offset CHAMP plugs
- Low applied costs
- Terminates most jacketed cable
- Straight (180°) or right-angle (90°) wire dress
- Microprocessor controlled; stored program capability
- Rapid tooling changeover for different connector types
- Order Catalog 82247, “CHAMPOMATOR Terminating Machines”



AMP CHAMPOMATOR 3A Terminating Machine

- Free-standing machine automatically sorts wires from multi-conductor jacketed cables and terminates them in a user-determined sequence
- Low applied costs
- Terminates most jacketed cable
- Straight (180°) or right-angle (90°) wire dress
- Microprocessor controlled; stored program capability
- Rapid tooling changeover for different connector types
- Order Catalog 82247, “CHAMPOMATOR Terminating Machines”

Fiber Optic Tools and Accessories



Universal No Epoxy Termination Tool Kit

- For SC, ST, LC, MT-RJ and MT-RJ SECURE Jacks
- Tool kit includes:
 - Premium carry case
 - All-in-one stripper tool
 - Kevlar® shears
 - SC, ST and LC cable holder and cleave tool
 - SC, ST and LC die sets
 - Micro-Strip tool
- Order Catalog 1307895, “Fiber Optic Products”



MT-RJ Jack Termination Tool Kit

- For no epoxy, no polish terminations
- Kits available for termination of:
 - MT-RJ Plugs
 - MT-RJ Jacks
- Universal kit available for termination of:
 - LightCrimp, LightCrimp Plus and MT-RJ Jacks
- Tool kit includes:
 - Plastic or soft case
 - Stripper tool
 - Kevlar® shears
 - Actuator key (where required)
 - Alcohol wipes (where required)
 - Crimp tool and die sets (where required)
 - Cleave tool or pen
 - Micro stripper (where required)
 - Strip template
 - Cable clamps or holders (where required)
 - Cure fixtures
- Order Catalog 1307895, “Fiber Optic Products”

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LightCrimp Plus Termination Tool Kits

- For no epoxy, no polish terminations
- Termination Tool kits include:
 - PRO-CRIMPER II Hand Tool and appropriate die set
 - Stripper tools
 - Cable holder
 - LightCrimp Plus Termination Video CD-Rom
 - Kevlar® shears
 - Cleave tool
- Order Catalog 1307895, "Fiber Optic Products"



LightCrimp Plus Adaptive Kits

- Kits available for:
 - LightCrimp Plus Combination (SC & ST)
 - LightCrimp Plus SC
 - LightCrimp Plus LC
 - LightCrimp Plus ST
 - LC Connector Upgrade Termination Kit
- Order Catalog 1307895, "Fiber Optic Products"



LightCrimp Termination Tool Kits

- For no epoxy, polish terminations
- Tool kits include:
 - PRO-CRIMPER II Hand Tool and appropriate die set
 - Stripper tools
 - Cable holder
 - Polishing bushings
 - Polishing plate
 - Kevlar shears
 - Cleave tool
 - Polishing films
 - Microscope (optional)
- Order Catalog 1307895, "Fiber Optic Products"



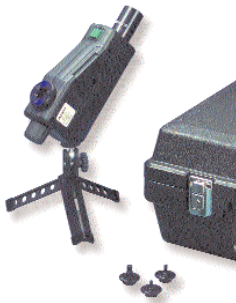
Pro-Installer Epoxy/Polish Connector Termination Tool Kits

- Includes all tools necessary to install these connectors (epoxy sold separately):
 - ST-Style, AMP NETCONNECT SC, FSD, FC, D4, FSMA Connectors
- Tool kits include (except were specified otherwise):
 - PRO-CRIMPER II Hand Tool and crimping dies
 - Polishing bushings
 - Polishing film
 - Cable and fiber strippers
 - Scissors
 - Scribe tool
 - Optional microscope with tripod and power source
 - Optional epoxy curing oven
- Order Catalog 1307895, "Fiber Optic Products"



Epoxy/Polish Connector Termination Tool Kits

- For Tyco Electronics ST, FSMA, FSD, RSD, SC (polymer crimp body), FC (polymer crimp body) Connectors
- Tool kits include:
 - Carrying case
 - PRO-CRIMPER II Hand Tool and crimping dies
 - Polishing bushings
 - Polishing film
 - Cable and fiber strippers
 - Scissors
 - Scribe tool
- Kits contain polishing materials for approximately 60 connectors
- Order Catalog 1307895, “Fiber Optic Products”



Additional Fiber Optic Tools and Accessories

- MT-RJ Test Kits, OTDF Test Assemblies and Loopbacks
- EPO-TEK, TRA-CON & HYSOL Epoxies
- Polishing Film
- Epoxy Curing Oven
- Adhesive Applicator Syringe
- LightCrimp Universal Cleave Tool
- LightCrimp Plus Buffer/Cable Holders
- Universal Fiber Optic Cleave Tool
- Fiber Optic Cleave Tool
- Polishing Bushings, Curing Sleeves, etc.
- AMP CORELINK Splice Workstation
- Inspection Microscope Kits & Accessories
- Pocket Inspection Microscope Kits & Accessories
- Sapphire-Tipped Scribe Tool & Accessories
- Order Catalog 1307895, “Fiber Optic Products”

Tools for Premises Networking Applications



SL Series 110 Jack Termination Tool Kit

- Kit consists of Tool Assembly and Lacing Fixture
- Simplifies the termination process, especially for Category 6 jacks (tool can be used for Cat 3 – Cat 5 jacks). Terminates and cuts all 8 conductors at once. Simplifies lacing process and speeds up terminations
- Simplifies Cat 6 terminations; pairs easily placed in lacing fixture; maintains twisted pair integrity with one step termination and wire cutting
- Order Catalog 1654891, “SL Series 110 Jack Termination”



AMP Modular Plug Professional Hand Tool

- Low handle force; ratchet control insures complete termination cycle
- Terminates both strain reliefs and inserts contacts in one motion
- Cuts, strips and terminates
- Interchangeable die sets terminate all plugs except 10-position
- AMP plugs are UL approved when terminated using this tool and the procedures outlined in IS 408-9767
- Order Catalog 1654026, “Contractor Tools”



AMP Modular Plug Dual Terminator

- Pneumatically powered, foot pedal actuated
- Terminates two connectors at the same time
- Programmable tester; check for shorts and opens as product is terminated. Program tester for individual positions or crossovers
- Easy changeover die sets for your particular product. Die sets have been designed to terminate all AMP modular plug products



4-Pair Tester

- Test for opens, shorts, mis-wires, reversals, and split pairs
- Auto-on/auto-off
- Battery low indicator
- Order Catalog 1654026, "Contractor Tools"



Tone Tracer / Generator Kit

- Tone Tracer
 - Permits wire and cable identification without direct metallic contact
 - Ergonomic design
 - Can be used with any tone generator
 - Quick change tips available
- Tone Generator
 - Three built-in tones
 - Auto-off
 - Separate talk battery for increased voltage and power for test sets
 - Modular jack allows multiple cord sets to be used for different applications
- Order Catalog 1654026, "Contractor Tools"

Heat-Shrinkable Products Tooling



Raychem Hot-Air Heating Tools

- Steinel hot air tool for general purpose
- ThermoGun hot air tool for heavy-duty use
- CV-1981/1983 for heavy-duty use with precise temperature
- Super Heater AA-400 for focused heat
- HT-900B (special field applications)
- Order Catalog 1654025, "Raychem Wire and Cable, Harnessing and Protection Products"



Raychem Infrared Heating Tools

- Bench top, IR-550
- Hand-held, MiniRay IR-1759
- Order Catalog 1654025, "Raychem Wire and Cable, Harnessing and Protection Products"



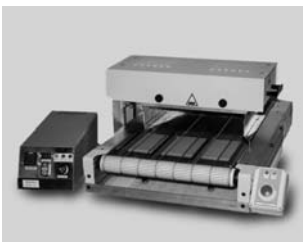
Raychem Model 81CE Discrete Heater

- Closed-loop temperature control for a precise and repeatable thermal process
- Oven dwell time precisely set by a 3-digit thumb wheel digital timer
- Heat output can be controlled to accommodate a wide variety of applications
- Operation requires only minimal skill
- Contains numerous safety features
- Meets the requirements of CE, OSHA and the NEC
- Order Catalog 1654025, "Raychem Wire and Cable, Harnessing and Protection Products"



Raychem Model 19 Conveyor Heater

- Closed-loop speed and temperature control
- Adaptable for different applications
- Continuous controlled process
- Operation requires only minimal skill
- Throughput rate determined by the rate at which an operator can load the heater
- Options available to customize the heater based on customers' needs
- CE approved for worldwide use
- Order Catalog 1654025, "Raychem Wire and Cable, Harnessing and Protection Products"



Raychem Model 105 Tunnel Oven

- Closed-loop temperature control for a precise and repeatable thermal process
- Conveyor speed precisely set by a 3-digit potentiometer
- Operation requires only minimal skill
- Contains numerous safety features
- Custom length conveyors for longer entry and/or exit sections available
- Optional accessories to customize tunnel oven
- Order Catalog 1654025, "Raychem Wire and Cable, Harnessing and Protection Products"



PCB Depaneling Press

- High through-put (10-12 sec. cycle time)
- Extremely reliable and accurate
- Dedicated tooling
- Zero-flex system; arrays are captivated so boards are not flexed
- Can process a multitude of materials (FR-4, CEM, Flex-circuit)
- Handles up to a 20" x 18" panel
- Order Catalog 1309260, "PCB Singulation Press"



SmartRouter Singulation

- High degree of flexibility
- Plug and play via SmartTag technology
- SmartFixture, NO programming required
- Configurable fixture
- Top & bottom dual zone, selectable vacuum
- Handles up to a 20" x 18" panel
- 2" per second cutting speed
- Servo accuracy +/- .0004"
- Order Catalog 1309259, "SmartRouter Singulation"



Selective Soldering Technologies

- Lead-free compatible
- Tool-less system
- 18" x 24" board capacity
- 75-350 lb solder pot
- 2 solder baths & up to 6 pumps
- Gaussian style nozzles, or dedicated multi-up nozzle designs
- Nitrogen inerted; controlled N2 thru the system
- Order Catalog 1309094, "Automation Equipment Guide"



High Speed Flexible SMT Placement System

- Standard features include: Intelligent Feeders, Off-line Programming, and CSP/0201 processing capability
- Excellent placement accuracy
- Wide range of components including: 0201, QFP, BGA, CSP, and Odd Form Parts
- Order Catalog 1309094, "Automation Equipment Guide"



MEP-6T / 12T Manual Electric Servo Press (6 or 12 ton)

- Servo motor drive with force-feedback and PC control provides highest level of control, quality and flexibility
- Ability to monitor and control force, height and speed assures proper application of connector while minimizing costly scrap and rework
- Full traceability of each connector applied with SPC provides quality assurance and tracking
- Complete line of presses from manual benchtop through fully automatic pick, place and press
- Order Catalog 1309328, "Semi-Automatic Press Fit"