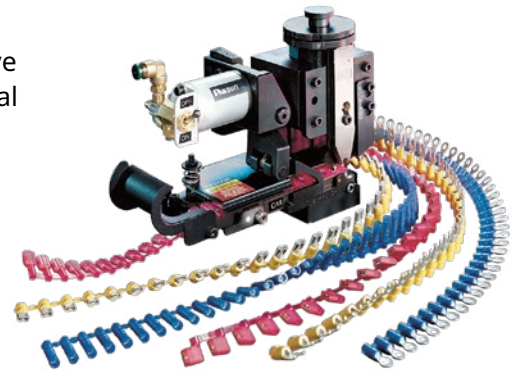


Manual wire termination methods require hand tools that deliver slower production rates and increased risk of repetitive strain injuries. Competitive automation systems require dedicated tooling applicators for each terminal configuration, adding capital expenditure and operational complexity.

The Reel Smart Automated Termination System delivers precision electrical termination with a single universal tooling applicator.



Enhanced Throughput and Ergonomic Operation

- Sub-second cycle times achieve up to 6x faster termination speeds versus manual tooling
- Automated actuation mitigates repetitive strain injuries
- High-capacity reels with up to 3,000 continuously molded terminals minimize changeover frequency

Process Reliability

- Integrated HMI displays real-time diagnostics, production metrics, and error logging
- Adjustable crimp height calibration ensures consistent electrical connection integrity
- Continuously molded carrier strip maintains terminal pitch accuracy, eliminating mis-feeds

System Flexibility

- Auto-indexing feed mechanism adjusts across 400+ terminal configurations
- Integrates with benchtop presses or automatic wire processing equipment
- Hot-swappable terminal compatibility eliminates tooling removal during changeovers

REEL SMART UNIVERSAL APPLICATORS

CA9 and CA-800EZ Universal Applicators terminate the entire Reel Smart product line by simply changing die sets, reducing setup and maintenance time while increasing throughput.

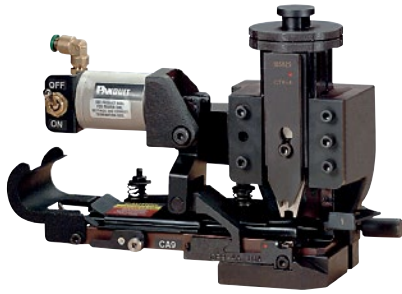
The CA9 features pneumatic-driven terminal feed, while the CA-800EZ requires electric power only, providing flexibility to meet specific facility requirements. Both applicators integrate with the Schleuniger UniCrimp 208 Press, and the CA9 can be incorporated into Cut, Strip, and Termination (CST) equipment.

These options deliver scalable wire processing solutions—from entry-level benchtop operations to fully automated production lines—providing a cost-effective path to enhanced productivity and accelerated ROI.

KEY FEATURES & BENEFITS

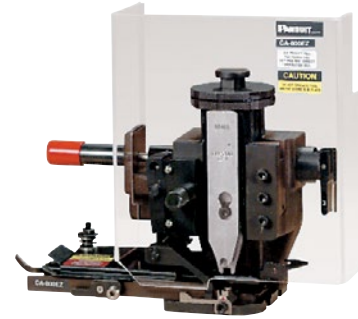
High volume applications:	Designed to terminate all continuously molded terminals, disconnects, and splices in reels of 3,000 for high volume applications
Precision terminal indexing through applicator:	Provides consistency and efficient production results
Universal base plate:	Offers compatibility with the Schleuniger electric press, and other commercially available bench presses and CST machines
Quick change die sets:	Designed for efficient product changeovers and minimized setup time; dies sold separately

Reel Smart™ Automated Termination System



CA9 UNIVERSAL APPLICATOR TECHNICAL DATA

Product feed:	Compressed air
Cycle time:	Less than one second
Interchangeable die sets:	18 die sets terminate entire product line
Crimp height adjust:	Micro dial adjust
Operational options:	Bench press or CST



CA-800EZ UNIVERSAL APPLICATOR TECHNICAL DATA

Product feed:	Mechanical linkage
Cycle time:	Less than one second
Interchangeable die sets:	18 die sets terminate entire product line
Crimp height adjust:	Micro dial adjust
Operational options:	Bench press only or CST

ELECTRICAL CRIMP PRESS

Reel Smart products partner with Schleuniger electric presses to provide one of the best termination systems in the market. The Schleuniger UniCrimp press is designed to crimp wire sizes up to 10 AWG (6mm²). This press is fast, quiet, and safe while providing the necessary force to deliver a quality crimp connection. The UniCrimp 208 press comes loaded with high end features like split cycle and adjustable crimp speed.

UniCrimp 208 overview:

- Economic and user-friendly
- Quick-release applicator base for easy change-over
- Adjustable crimp speed
- Standard tool-less, incremental crimp height adjustment (micro-adjust)
- Split cycle capability for closed barrel contacts
- Used with both Panduit CA9 and CA-800EZ
- Terminates all Panduit Reel Smart terminals and ferrules

TECHNICAL DATA

Power supply:	230 V AC, optional 115 V AC, 50/60 Hz
Crimp stroke:	40mm
Controller:	LCD display 7" touch screen
Crimp micro-adjust:	Micrometer shut height adjust
Crimp force:	33 kN (3.3 tons)
Versatility:	Split cycle, pneumatic feed option, cycle counter, quick release applicator mounting base



 **Schleuniger**
A KOMAX COMPANY

CONTINUOUSLY MOLDED REEL-FED PRODUCTS

The Reel Smart Terminal Product Offering features over 300 continuously molded ring terminals, forks, disconnects, and butt splices—the industry’s most comprehensive selection. The continuously molded carrier strip ensures precise crimp location alignment, eliminating barrel mispositioning and preventing downtime. During termination, components feed into a universal applicator and achieve rates exceeding 50 terminations per minute when integrated with CST equipment.

PART NUMBER CONFIGURATOR

Character	P	NF	14	—	6	R	N	3K
Description	Type	Insulation	Wire Range		Stud Size	Tongue Configuration	Special Configuration	Std. Pkg. Size
P – Type	P = Terminal BS = Butt splice					R – Tongue Configuration	R = Ring HDR = Heavy duty ring F = Fork FF = Flanged fork LF = Locking fork	
NF – Insulation	N = Nylon insulated NF = Nylon insulated funnel entry V = Vinyl insulated					N – Special Configuration	N = Narrow tongue W = Wide tongue B = Butted seam = Standard (leave blank)	
14 – Wire Range			18 = #22 – 18 14 = #16 – 14 12 = #16 – 12 10 = #12 – 10			3K – Std. Pkg. Size	2K = 2,000 pieces 3K = 3,000 pieces	
6 – Stud Size					Y = Indoor trunk			

Reel-fed terminals, disconnects and splices

- Faster assembly for increased production and lower installed costs
- Superior wire connection point for secure electrical terminations
- High mechanical and electrical performance – in high vibration applications, in bending applications, when crimping in any orientation, and other extreme conditions
- Color coded to indicate wire range and proper tooling
- Product markings indicate UL and CSA certifications, rated up to 600V
- CD9 and CD800 series crimp dies available, for description and manufacturer compatibility



The full offering of rings, forks, splices, disconnects, pin, and blade terminals in wire ranges of 22AWG – 10AWG

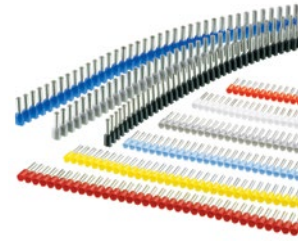
- Nylon insulated terminals with insulation grip sleeve (funnel and non-funnel entry)
- Vinyl insulated terminals with insulation support (funnel entry)
- Supra-Grip™ Disconnects, nylon fully insulated funnel entry, female receptacle
- Standard and premium nylon fully insulated, funnel entry, female receptacles and male tabs
- Vinyl barrel insulated funnel entry, female receptacles and male tabs
- Butt splices, nylon insulated



Reel Smart™ Automated Termination System

CONTINUOUSLY MOLDED FERRULES AND CRIMPING TOOLS

Panduit continuously molded ferrules feature a seamless barrel design in 20-14 AWG (0.50-2.50 mm²) that ensures consistent placement and contains loose wire strands for reliable, high-volume terminations. The system's precision applicators and crimping tools deliver efficient, cost-effective installations for wire harness, control panel, and automatic wire processing applications.



Reel Smart Continuously Molded Ferrules

- Integrated carrier ensures consistent ferrule placement for fast, reliable operation
- Seamless barrel design eliminates loose strands for superior terminations
- Molded polypropylene housing meets DIN 46228, UL 486F, and HB ratings
- Available in 20–14 AWG (0.50–2.50 mm²) for diverse wiring applications
- Bulk reels of 1,500–3,000 pieces and mini reels of 500–1,000 pieces
- Compatible with Schleuniger UNI-M (APM-MRSP1516JVD) applicator and Panduit CP-881 automated system
- Reduces production changeover and downtime through fewer reel changes

FERRULES ON 500 TO 1,000 PIECE MINI-REELS

Part Number	Wire Size AWG (mm ²)	DIN Color
FSD75-8-K	20 (0.5)	White
FSD76-8-K	18 (0.75)	Gray
FSD77-8-K	18 (1.0)	Red
FSD78-8-K	16 (1.5)	Black
FSD80-8-DK	14 (2.5)	Blue

FERRULES ON 1,500 TO 3,000 PIECE BULK REELS

Part Number	Wire Size AWG (mm ²)	DIN Color
FSD75-8-3K10	20 (0.5)	White
FSD76-8-3K8	18 (0.75)	Gray
FSD77-8-3K2	18 (1.0)	Red
FSD78-8-2KD0	16 (1.5)	Black
FSD80-8-KD6	14 (2.5)	Blue

CONTINUOUSLY MOLDED FERRULES – TOOLING OPTIONS

Semi-automated ferrule strip and crimp tool

Part Number: CP-881

The CP-881 semi-automatic ferrule installation tool strips, places, and crimps DIN 46228 part 4 ferrules onto 20-14 AWG (0.5-2.5 mm²) wire in one operation—increasing productivity by 600%—making it ideal for high-volume wire harness manufacturing and control panel wiring.



KEY FEATURES & BENEFITS

Automated processing delivers:	Wire stripping, ferrule placement, ferrule crimping, over six times faster than manual production, process cycle time 1.5 seconds
Continuously molded ferrules:	Size 20 – 14 AWG (0.5 – 2.5 mm ²), Mini-reels of 500 to 1000 pieces, Bulk reels of 1500 to 3000 pieces, Reduces production changeover and downtime
Quick setup and changeover:	Ferrule applicator and wire stripping die sets are designed to easily be removed and installed Provides product changeover in less than ten seconds to improve productivity and reduce setup time
Digital:	Digital LCD cycle counter with reset button
Ease of Handling:	Lightweight with built-in carrying handle for ease of movement

Reel Smart™ Automated Termination System

Universal crimp applicator for ferrules

Schleuniger Part Number: UNI-M (APM-MRSP1516JVD)

This is a pneumatic ferrule applicator designed to terminate #24 – #14 AWG ferrules on reel Panduit. The UNI-M is a high-performance applicator, specifically configured for use with Panduit ferrules. It can be used with both semi-automatic benchtop presses and automatic wire processing machines.

Overview:

- Lightweight constructions for easy handling and highest precision
- Standard tool-less, incremental crimp height adjustment (micro-adjust)
- Front adjustable transport feed
- Mechanical ejector design avoiding dual crimping
- Continuously molded ferrules: Size 20 – 14 AWG (0.5 – 2.5 mm²), Bulk reels of 1500 to 3000 pieces
- Works with Schleuniger UniCrimp 208 Bench Top Press and CST systems
- Ideal for 150,000+ crimps per year



ADDITIONAL TOOLING OPTIONS

Wire Stripping Machine

Schleuniger Part Number: Strip Series B300

The Schleuniger portable B300 stripping machine reliably strips wires ranging in size from 0.03 – 8 mm² (32 – 8 AWG) and up to 7 mm (0.27") outer diameter. This innovative machine does not require any mechanical adjustments to process different wire sizes.

Overview:

- No mechanical adjustments required when changing wire sizes
- Intuitive operation via high-resolution 5" color touch screen
- Highly sensitive trigger mechanism - idea for small and flexible cables
- Processing parameters of stranded wires and solid conductors in mm² and AWG
- Easy to operate without programming knowledge



Pull Testing Machine

Schleuniger Part Number: PullTester 26T

The Schleuniger PullTester 26T is an economical motorized benchtop device for measuring pull forces of electrical crimp connections as well as ultrasonic metal welding connections.

Overview:

- Real-time force diagram
- Enables early detection of faulty tests, allowing operating time savings
- Internal memory for storing forces, curves, statistics and measured values
- User-friendly 7-inch color touchscreen
- RS 232 interface for connection to label printer



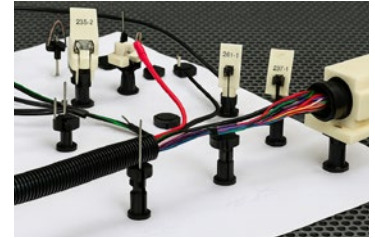
Reel Smart™ Automated Termination System

RELATED PRODUCTS

Complete your harness assembly with:

Harness board system

- Modular, reusable solution consists of grid tiles and specially designed, repositionable accessories that improve productivity
- Easy twist and lock in place accessories allows for faster routing of wires and design flexibility



65% Cost reduction compared to traditional nail and board methods

18%

18% Faster wire harness build times



50% Less square footage space associated with storing plywood

Automatic cable tie installation systems and reel-fed cable ties

- Engineered for high-volume efficiency and operator ease to minimize installed costs and boost profits
- Reduce reel-change downtime with Panduit continuous, reel-fed cable ties



6x

6x Faster than conventional cable tie installation systems



Wrap, tension and cut cable ties in less than 1 second

Identification

- Proper wire harness identification improves quality assurance and ensures compliance with industry standards
- Desktop printers and labeling software provide fast, high-quality label production
- Available in a wide variety of materials for wire and cable identification, including heat shrink labels, self-laminating labels, turn-tell labels, and marker plates



Reduce time for labeling by up to 75%

Abrasion protection

- Insulate, protect, and color code wires to help ensure high-quality performance even in demanding environments
- Choose from Pan-Wrap™, spiral wrap, corrugated loom tubing and braided sleeving, and heat shrink



Protect from vibration and environmental factors



Bundle and route wires and cables efficiently