

Cut, Strip & Terminate,
Crimp & Quality Assurance






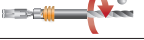




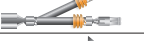



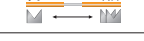






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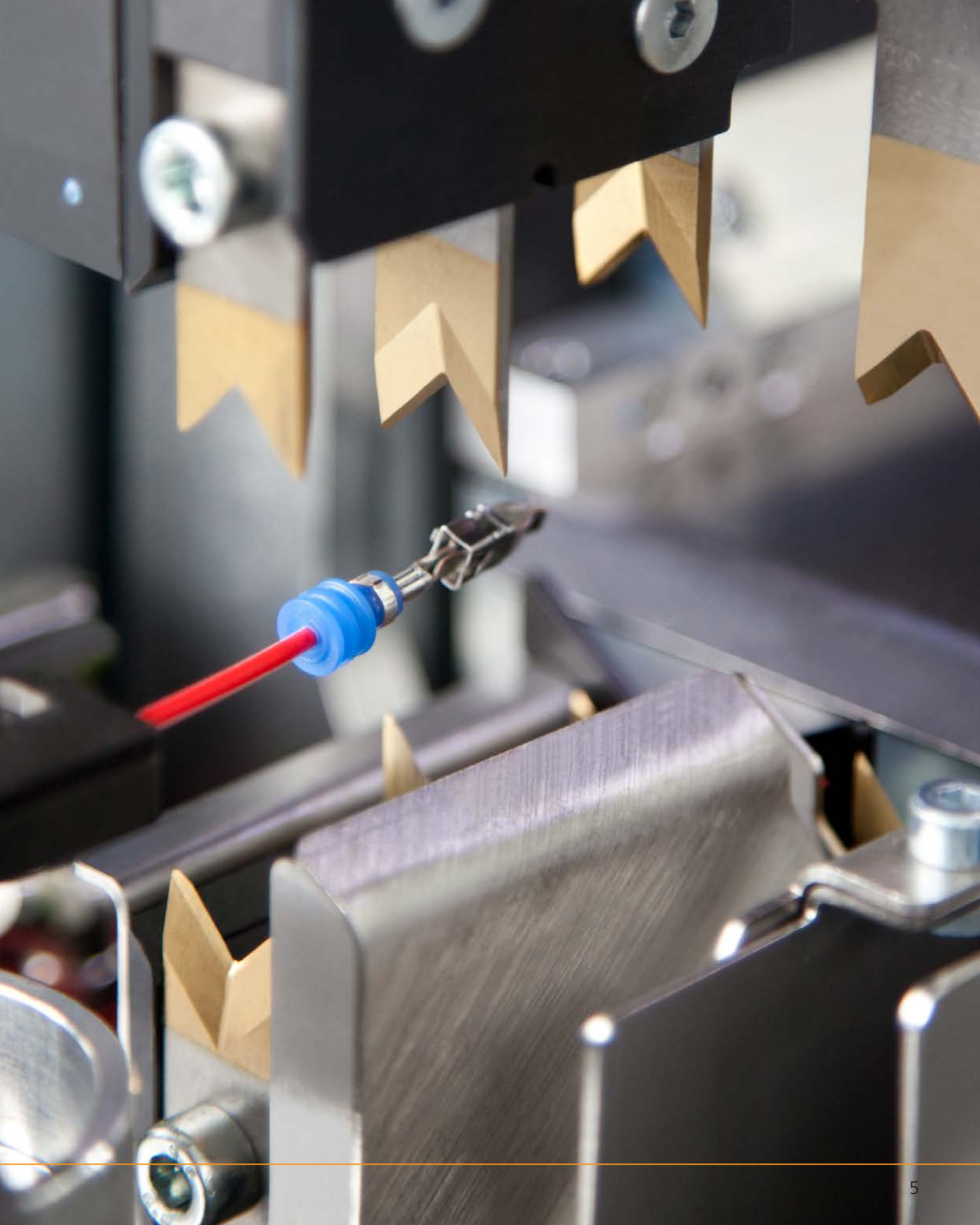
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Application Overview CST

Processing Capabilities |

		36 S 0.13-4 mm ² 26-12 AWG	64 0.13-6 mm ² 26-10 AWG	67 0.13-6 mm ² 26-10 AWG	HD16 6-16 mm ² 10-6 AWG
Crimp & Seal	 Crimp to crimp	■	■	■	■
	 Crimp to crimp (closed barrel)	■	■	■	
	 Seal to crimp	■	■	■	■
	 Seal to seal	■	■	■	■
Twist & Tin	 Crimp to twist / tin	■	■	■	
	 Seal to twist / tin	■	■	■	
	 Twist / tin both ends *	■	■	■	
Doubling Crimp	 Crimp / crimp (same terminals)	■	■	■	
	 Crimp / crimp (different terminals)	■	■	■	
	 Crimp / seal (different terminals)	■		■	
	 Seal / seal (same terminals and seals)	■	■	■	
	 Twist and tin / crimp	■		■	
Special Applications	 Printing and marking	■	■	■	■
	 Two-layer strip	■	■	■	■
	 Center strip		■	■	
	 Coax cable strip		■	■	
	 Hard shell / mini seals	■	■	■	
	 Coiling (ACS)		■	■	
	 Compacting - resistance welding (KM-CFK)			■	

* Configuration with one press - 36 S and 64 / configuration with two presses - 67



CrimpCenter 36 S

Fully Automatic Crimping Machine

Equipped with reliable high precision technology, the CrimpCenter 36 S features a compact, modular design offering space for up to six processing stations with the precision and quality one can expect from Schleuniger. Various configuration possibilities allow for a variety of applications to be processed with cross sections from 0.13 to 4 mm² (26 – 12 AWG). An optimal combination of proven state-of-the-art components results in outstanding production rates.

Technical Data

Number of stations

6

Wire Feed Rate

8 m/s (26.3 ft/s)

Wire Cross Section

0.13* – 4.0 mm² (26* – 12 AWG)

Wire Length

45 mm – 65 m (1.77" – 213 ft)
Optional from 35 mm (1.38")

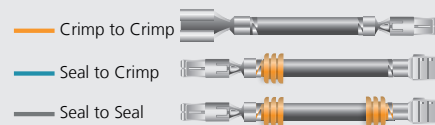
Stripping Length Side 1

0.1 – 18 mm (0.04 – 0.71")

Stripping Length Side 2

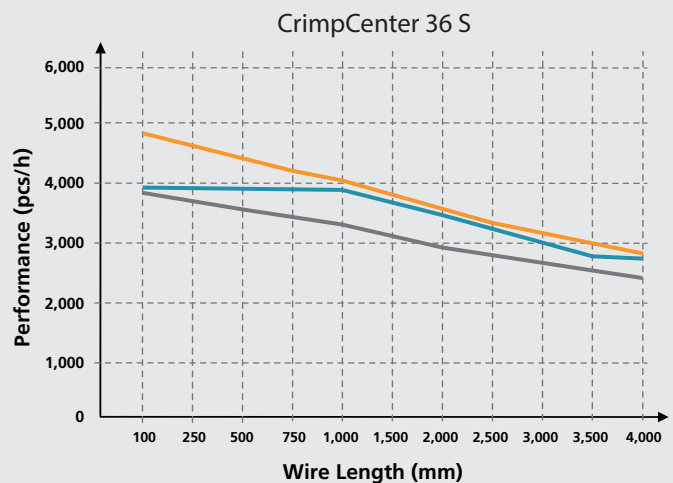
0.1 – 18 mm (0.04 – 0.71")

High Production Output



Wire Size: 0.75 mm² FLRY
Press Stations: UniCrimp 221
Seal Stations: SL 3100
CFM 20: Active
SealCheck: Active

*Production rates may vary based on the machine, application and machine setup.





Cut, Strip & Terminate

Your Benefits

- Compact modular design
- Great flexibility with up to six processing stations
- High end components for highest precision
- Simple operation with touchscreen and icon-based EASY software
- Simple network integration with standard TCP/IP protocol

CrimpCenter 64

Fully Automatic Crimping Machine

The CrimpCenter 64 is a fully automatic swivel arm crimping machine with up to four processing stations. At a maximum feed rate of 12 m/s (39.4 ft/s), the CrimpCenter 64 processes high crimping, sealing, twisting and tinning of wires from 0.13 to 6 mm² (26 - 10 AWG) at maximum productivity.

Technical Data

Number of stations

4

Wire Feed Rate

12 m/s (39.4 ft/s)

Wire Cross Section

0.13* – 6 mm² (26* – 10 AWG)
Optional from 0.05 mm² (30 AWG)

Wire Length

60 mm – 65 m (1.77" – 213 ft)
Optional from 35 mm (1.38")

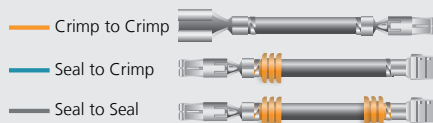
Stripping Length Side 1

0.1 – 18 mm (0.04 - 0.71")
Optional up to 26 mm (1.02")

Stripping Length Side 2

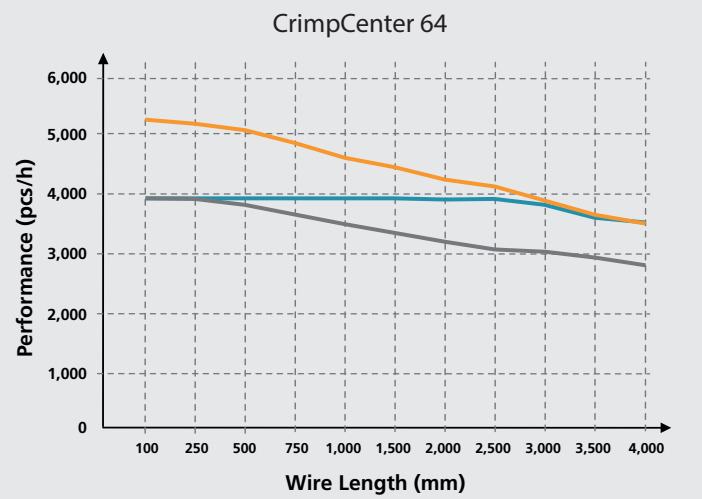
0.1 – 18 mm (0.04 – 0.71")

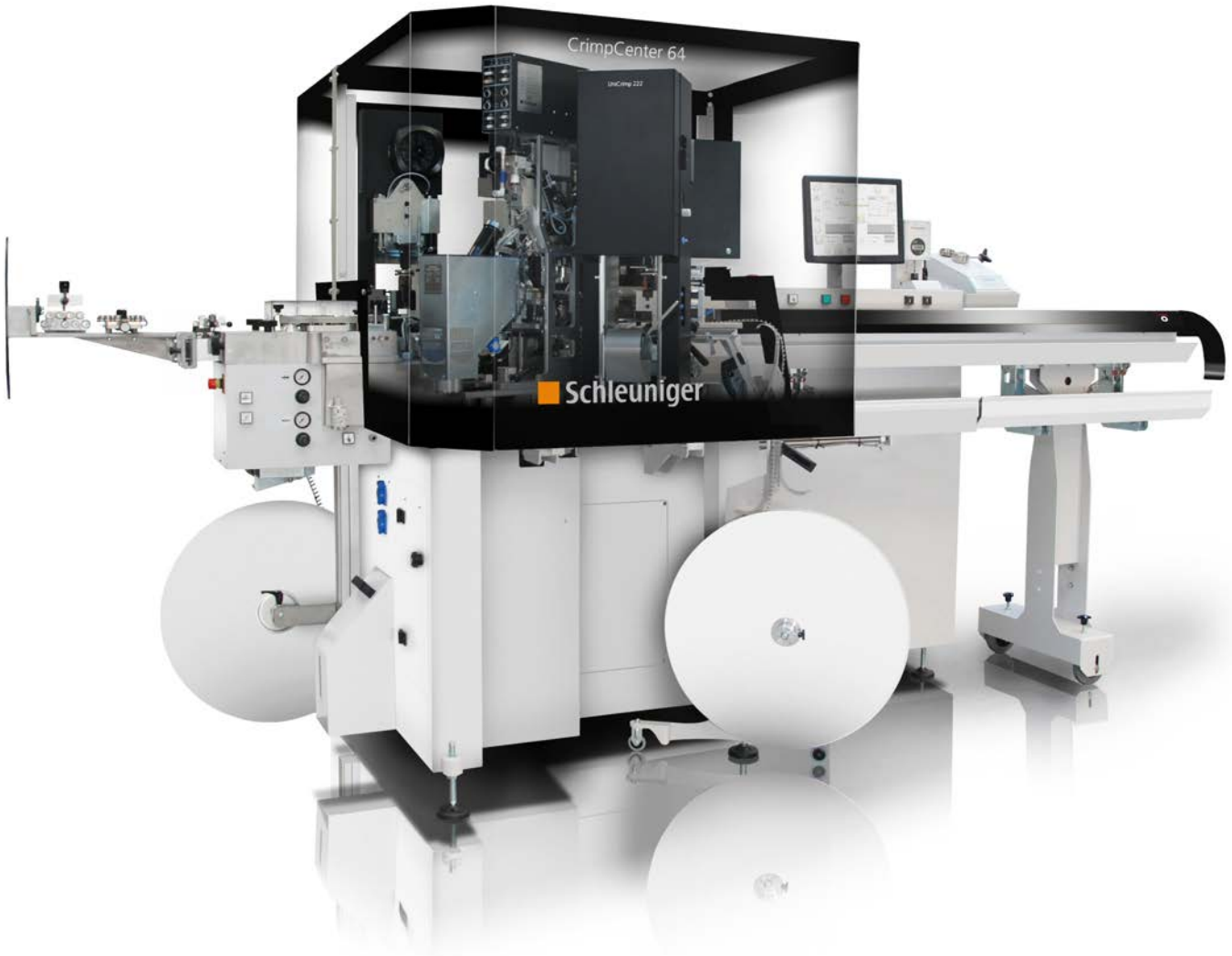
High Production Output



Wire Size: 0.75 mm² FLRY
Press Stations: UniCrimp 221
Seal Stations: SL 3100
CFM 20: Active
SealCheck: Active

*Production rates may vary based on the machine, application and machine setup.





Cut, Strip & Terminate

Your Benefits

- High performance and short set-up times
- Simple operation with state-of-the-art software and touchscreen
- Simple network integration with standard TCP/IP protocol
- Wide range of options and accessories available

CrimpCenter 67

Fully Automatic Crimping Machine

The CrimpCenter 67 accommodates up to seven stations (maximum three crimp stations) and is ideal for customers with a large variety of applications such as crimping, doubling, sealing, tinning, twisting and welding. A multitude of applications can be processed with minimal set-up times.

Technical Data

Number of stations

7

Wire Feed Rate

12 m/s (39.4 ft/s)

Wire Cross Section

0.13* – 6 mm² (26* – 10 AWG)

Optional from 0.05 mm² (30 AWG)

Wire Length

60 mm – 65 m (1.77" – 213 ft)

Optional from 35 mm (1.38")

Stripping Length Side 1

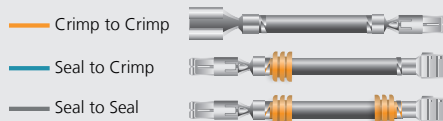
0.1 – 18 mm (0.004 – 0.71")

Optional up to 26 mm (1.02")

Stripping length Side 2

0.1 – 18 mm (0.004 – 0.71")

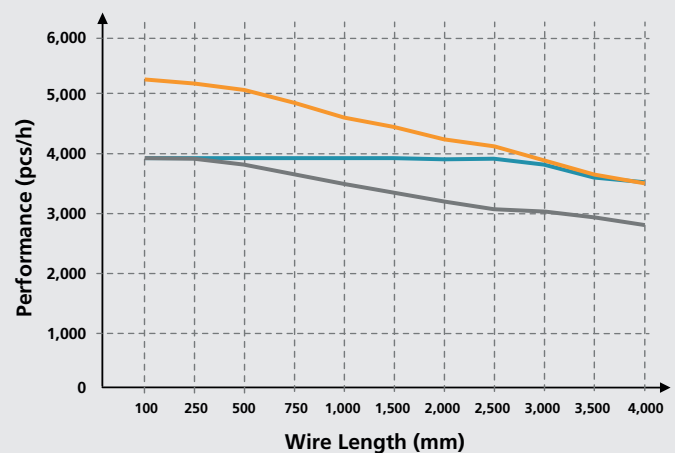
High Production Output

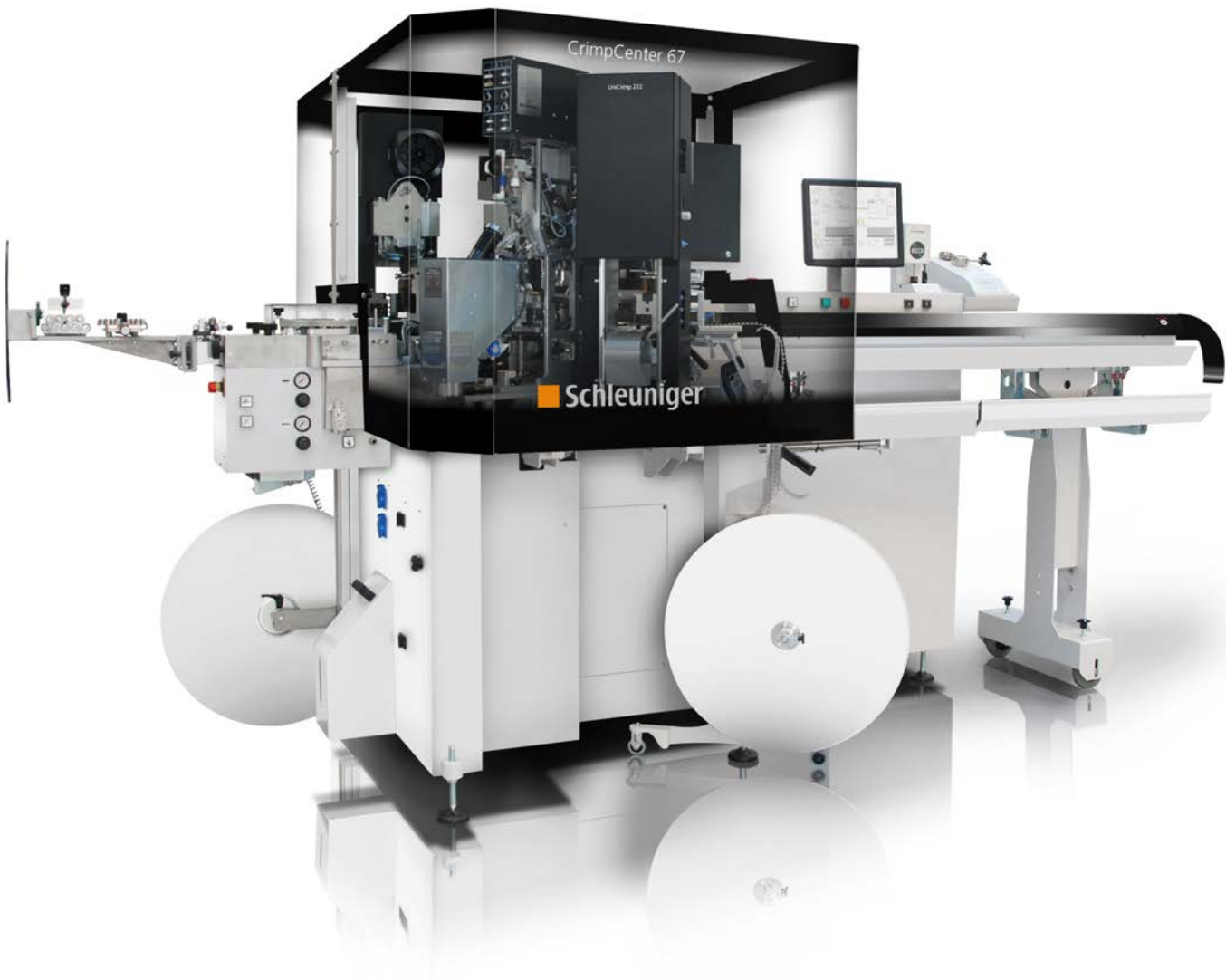


Wire Size: 0.75 mm² FLRY
Press Stations: UniCrimp 221
Seal Stations: SL 3100
CFM 20: Active
SealCheck: Active

*Production rates may vary based on the machine, application and machine setup.

CrimpCenter 67





Your Benefits

- Maximum flexibility and high performance
- Simple operation with state-of-the-art software and touchscreen
- Simple network integration with standard TCP/IP protocol
- Wide range of options and accessories available

CrimpCenter 67 HD16

Fully Automatic Crimping Machine



Your Benefits

- Production of larger cables up to 16 mm² (6 AWG)
- High performance and short set-up times
- Simple operation with state-of-the-art software and touchscreen
- Simple network integration with standard TCP/IP protocol

The CrimpCenter 67 HD16 is a fully automatic swivel arm crimping machine with up to four processing stations. It is ideally suited for medium to large cable applications from 6 to 16 mm² (10 - 6 AWG). At a maximum feed rate of up to 12 m/s (39.4 ft/s), this versatile, fully automatic crimping machine allows high quality crimping and sealing of wires at maximum productivity.

Technical Data

Number of stations

4

Wire Feed Rate

12 m/s (39.4 ft/s)

Wire Cross Section

6 – 16 mm² (10 – 6 AWG)
Optional from 0.5 - 6 mm² (20 -10 AWG)

Wire Length

60 mm – 65 m (1.77" – 213 ft)

Stripping Length Side 1

0.1 – 18 mm (0.04 – 0.71")
Optional up to 26 mm (1.02")

Stripping Length Side 2

0.1 – 18 mm (0.04 – 0.71")



CrimpCenter 64 ACS

Coil-Binding System for CrimpCenter 6-Series



Your Benefits

- High performance with minimal space requirements
- Handles single wire and coaxial applications with or without seals or terminals on either end
- Simple operation via the CrimpCenter EASY software
- Simple set-up
- Simple network integration with standard TCP/IP protocol

The AutoCoiling System (ACS) eliminates the need for extension conveyors and significantly reduces the floor space required for long wire applications. The system will automatically coil, bind and batch long wires during production. Binding is accomplished with tape that can be easily removed for downstream production steps.

Technical Data

Number of stations

4

Wire Feed Rate

9 m/s (26.3 ft/s)

Wire Cross Section

0.35 – 2.5 mm² (22 – 13 AWG)

Wire Length

4 m – 30 m (13.1 – 98.4 ft.)

Depending on wire outer diameter (cross section)

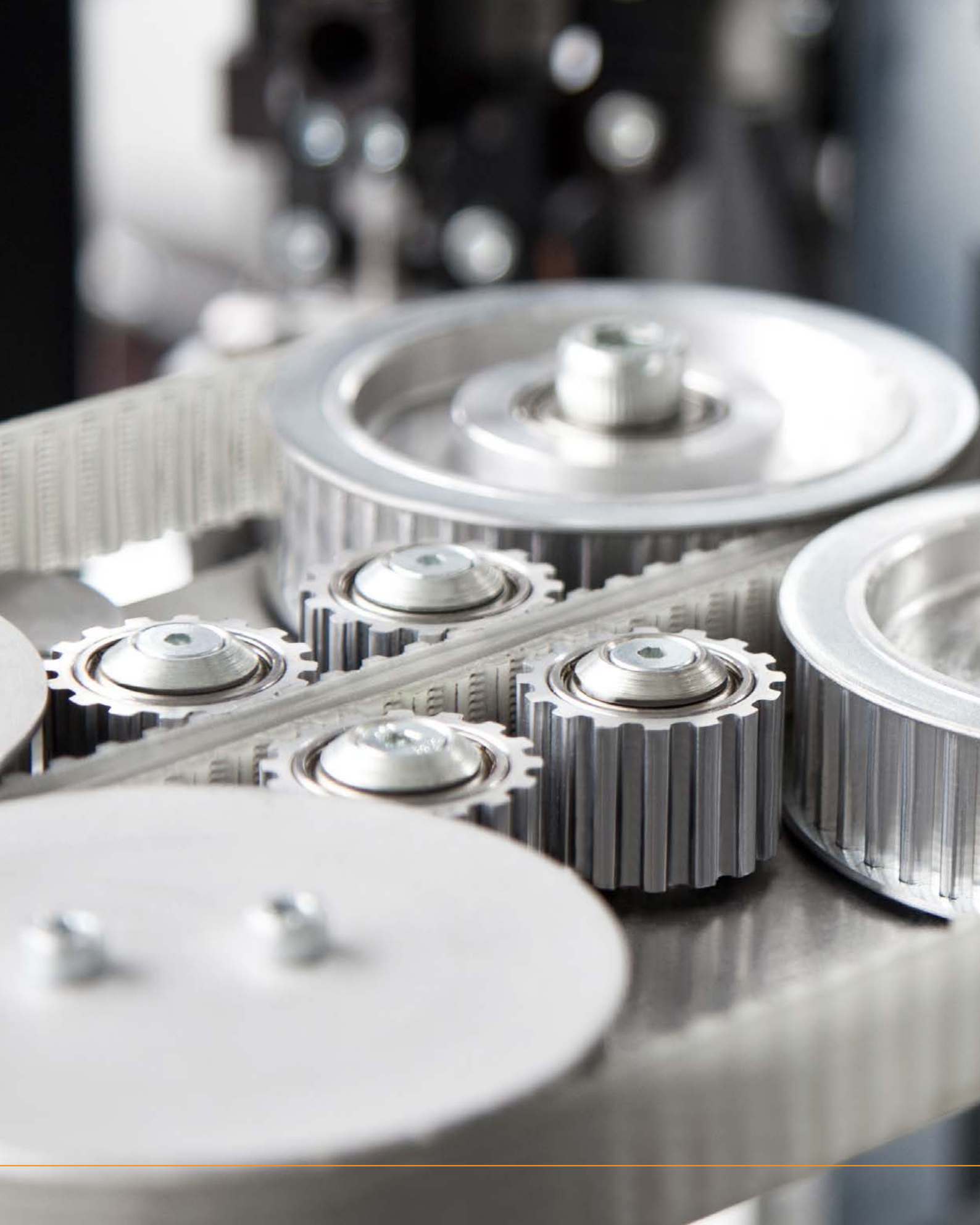
Stripping Length Side 1

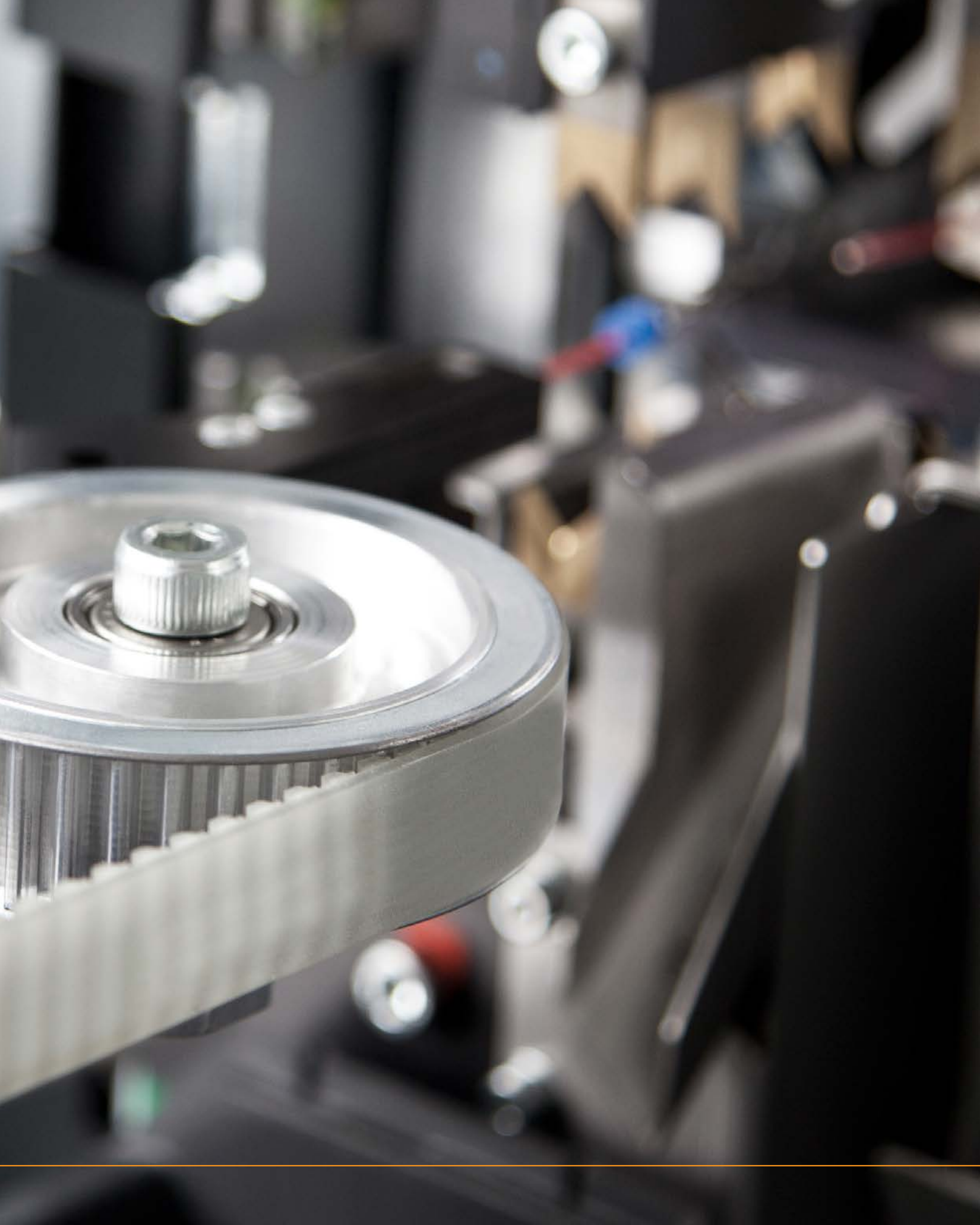
0.1 – 18 mm (0.04 – 0.71")

Optional up to 26 mm (1.02")

Stripping Length Side 2

0.1 – 18 mm (0.04 – 0.71")





UniCrimp 222 | 221

Crimping Station for CrimpCenter Series



Your Benefits

- Suited for precise high speed crimping
- Integrated crimp force monitoring
- Suitable for all standard crimp applicators
- UniCrimp 222: Automatic crimp height adjustment

The UniCrimp 221 and UniCrimp 222 are crimping stations designed for high speed production on CrimpCenter series machines. The stations include integrated crimp force monitoring with the Schleuniger CFM 20 as well as a height adjustable base frame. They accept most side- or rear-feed mini-style crimping applicators with either mechanical or pneumatic feed. The UniCrimp 222 also includes electronic crimp height adjustment to minimize setup times.

Technical Data

Crimping Force

20 kN (2 tons)

Wire Cross Section

Up to 6 mm² (10 AWG)

Stroke

40 mm (1.58") or 30 mm (1.18")
(mechanical adjustable)

Shut Height

From 135.78 mm (5.346") to 190.00 mm
(7.480")

Options

Various applicator adaptors and fixations / shut heights available

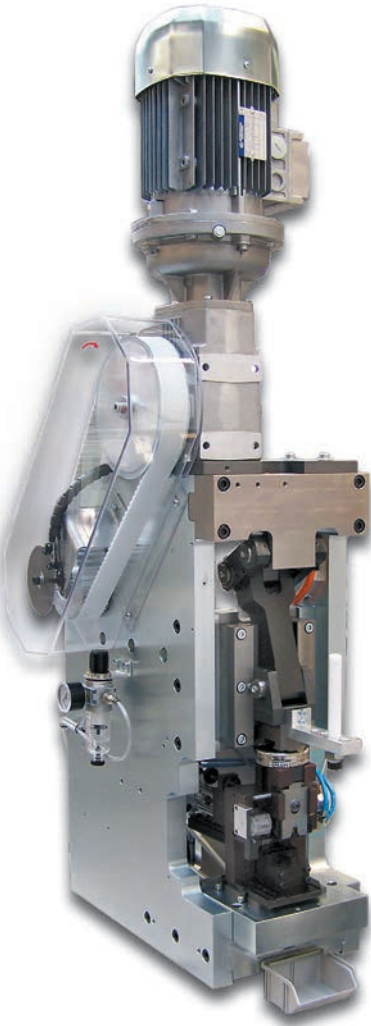
Crimp Height Adjustment

UniCrimp 221: Manual +/- 0.8 mm (0.03")

UniCrimp 222: Electronically adjusted via EASY software ± 0.5 mm (0.02")

UniCrimp 500 A

Crimping Station for CrimpCenter Series



Your Benefits

- Ideal for processing large cable cross sections up to 16 mm² (6 AWG)
- Compatible with For processing rear- and sidefeed banded terminals
- Short cycle times
- Quick-change applicator base plate
- Optional crimp force monitoring

The UniCrimp 500 A is a crimping machine with five tons of crimping force. It processes both rear- and side-feed banded terminals (open or closed barrel type) for cable cross sections up to 16 mm² (6 AWG).

Technical Data

Crimping Force

49 kN (5 tons)

Wire Cross Section

Up to 16 mm² (6 AWG)

Stroke

40 mm (1.58")

Shut Height

Standard 158.38 mm (6.235")

Optional 135.78 mm (5.346")

Crimp Force Monitoring

Optional

Crimp Height Adjustment

Manual

SealLoad 3100

Seal Loading Station for CrimpCenter

The seal loading station for CrimpCenter series machines conveys and orientates loose seals and positions them on previously stripped wires. Station is suitable for all types of seals, including mini and hard-shell seals. Seal monitoring options are available. The station also accepts seal kits for the Schleuniger SLU 3000 and some competitor models as well.

Technical Data

Process Time

160 ms (without options)

Cycle Time

750 ms

Maximum Seal Dimensions

17 mm diameter (0.67")

19 mm length (0.78")

Seal Kit Compatibility

SLU + SL Sealkits / Adapter kits for competitive seal kits.





Cut, Strip & Terminate

Your Benefits

- Improved performance over the SLU 3000
- Fast cycle times optimizes performance of CST machines
- Tool-less kit changeover
- Low energy consumption
- Fully integrated with EASY software

SLD 4100

Double Gripper Module for CrimpCenter

The SLD 4100 double gripper module can be used with all models of the CrimpCenter series for processing doubling crimp applications of wires from 1 – 4 mm (0.039 – 0.157") in outer diameter. The unit gathers two single wires in the proper orientation allowing the swivel arm gripper to collect them. The wires are then moved to a separate station for termination into a double crimp. Each wire can have a different length and depending on the terminal design, wire orientation can be either vertical or horizontal. Wire orientation is fully programmable in the CrimpCenter EASY operating software and no tools are needed for changes.

Technical Data

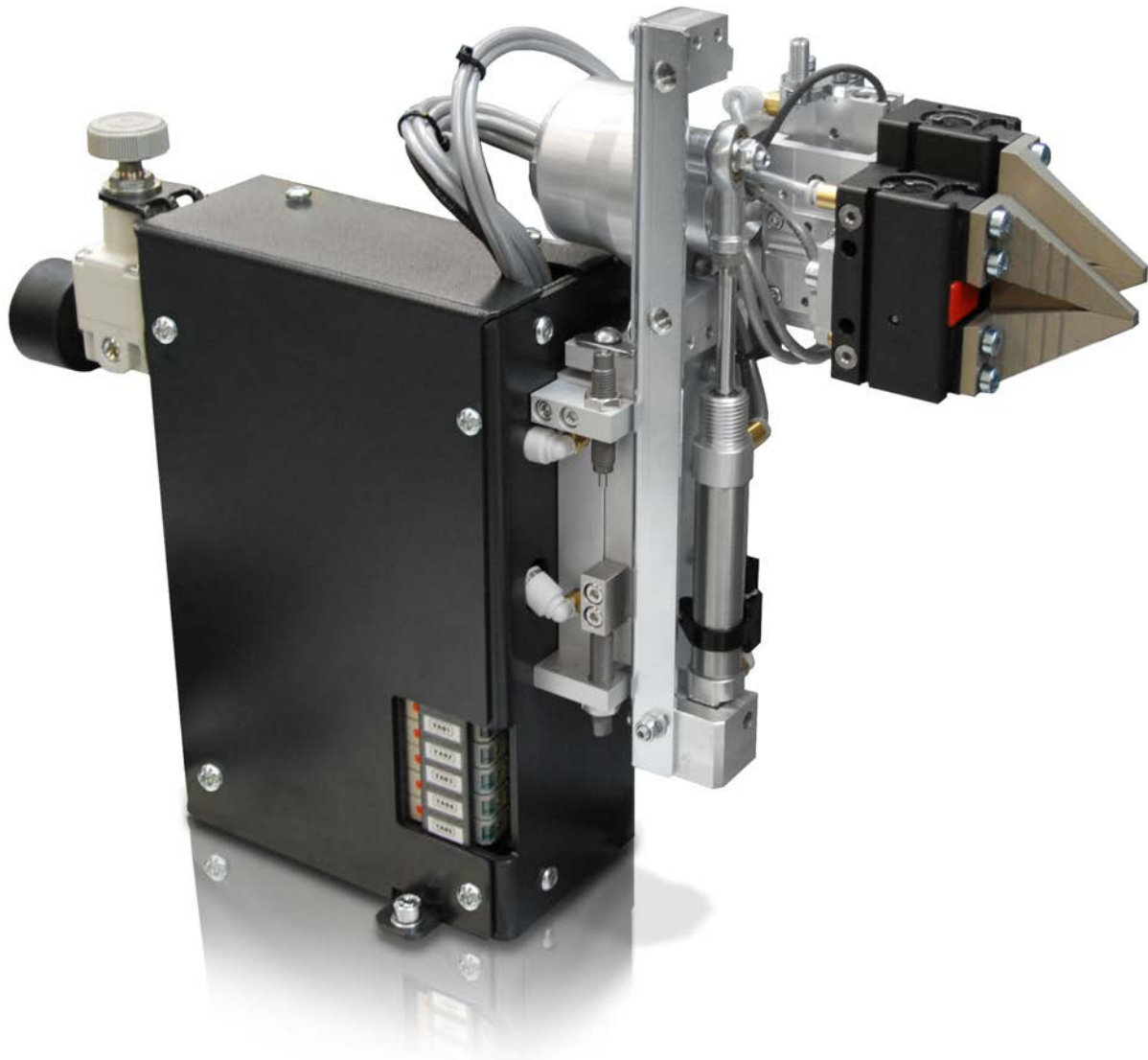
Cable Outer Diameter

1 – 4 mm (0.039 – 0.157")

Wire Alignment

Horizontal and vertical





Your Benefits

- Compact, fully pneumatic module
- Doubled wires can have different lengths and strip lengths
- Horizontal or vertical doubling
- All parameters are fully programmable (no mechanical adjustments)
- Simple programming directly in CrimpCenter EASY software

STS 1100

Tinning Station for CrimpCenter



Your Benefits

- Short cycle times
- Full control via CrimpCenter EASY operating software
- Designed for use with lead-free solder
- Consistently tinned diameters
- Wire cross sections up to 2.5 mm² (14 AWG), optional up to 4 mm² (12 AWG)

The STS 1100 tinning station is designed specifically to resist the corrosive properties of lead-free solder. The station includes an integrated flux unit for tinning cross sections up to 2.5 mm² (14 AWG) and tinning lengths up to 5 mm (0.2"). Cross sections up to 4 mm² (12 AWG) and tinning lengths up to 10 mm (0.39") may be possible but testing should be done.

Technical Data

Wire Cross Section

Up to 2.5 mm² (14 AWG);
possibly 4 mm² (12 AWG) depending on wire

Tinning Length

Up to 5 mm (0.2");
possibly 10 mm (0.39") depending on wire

Operating Temperature

Maximum 400°, adjustable

Fluxing

Integrated

STW 1100

Twisting Station for CrimpCenter



Your Benefits

- Programmable twist rates and wire pull-out speeds
- All production parameters programmed and stored through the machine interface
- Short cycle times and fast changeover times
- Can be mounted inside the press to minimize station requirements
- Can be mounted outside the press on its own pedestal for optimum flexibility

The STW 1100 twisting station is specifically designed for twisting conductor end strands on CrimpCenter series, fully automatic cut, strip and terminate machines. It easily handles wire sizes up to 2.5 mm² (14 AWG) and twists conductor end strands of stripped wires up to 18 mm (0.71") stripping length. It is typically used in conjunction with the STS 1100 tinning station.

Technical Data

Wire Cross Section

Up to 2.5 mm² (14 AWG);
possibly 4 mm² (12 AWG) depending on wire

Maximum Wire Outside Diameter

4.5 mm (0.17")

Twisting Length End 1

4 – 18 mm (0.15 – 0.71")
Optional up to 23 mm (0.90"), depending on wire

Twisting Length End 2

4 – 18 mm (0.15 – 0.71")

UniCrimp LPC A

Crimping Station for Loose Piece Terminals



Your Benefits

- High precision 4/8-indent crimps of machined contacts
- Short cycle times
- Fast changeover times
- Simple operation with PILOT handheld
- Microadjustment dial for crimp depth

The UniCrimp LPC A crimping station processes turned loose piece terminals (closed barrel) with a cross section range from 0.14 – 4 mm² (26 – 12 AWG). With low space requirements and less than 1.5 seconds cycle time, the station has been specifically designed for use in automatic systems such as the Schleuniger CrimpCenter series of fully automatic crimping machines.

Technical Data

Wire Cross Section

0.14 – 4 mm² (26 – 12 AWG)

Cable Outer Diameter

7 mm (0.27")

Cycle Time

< 1.5 s (terminal positioning and crimping)

Crimp Type

4-indent – 8-point crimp

Terminal Diameter

6 mm (0.23") outer diameter

KM-CFK

Compacting Station (Resistance Welding)



Your Benefits

- Reliable compacting process
- Very short cycle times
- Easy adjustment for various wire cross sections
- Quality assurance with automatic data storage (optional PC controller)

The Strunk KM-CFK welding station will compact (compress, form, and bond) stripped wire ends from 0.5 up to 6 mm² (20 AWG – 10 AWG) on the CrimpCenter 6-series machines through a resistance welding process. Depending on the CrimpCenter model, one or both wire ends can be compacted or the process can be combined with other processing steps. The system includes the KM-CFK station, a separate control unit and a separate (optional) cooling unit.

Technical Data

Wire Size Range

0.5 – 6 mm² (20 AWG – 10 AWG)

Maximum Electrode Force

1800 N

Maximum Welding Power

104 kVA

ToolingShuttle 30

Mobile Quick-Change Unit for CrimpCenter 3-Series



Your Benefits

- Changeover in less than 60 seconds
- For most standard crimp applicators (tooling)
- Retrofittable for all CrimpCenter 3-series models
- Simple and quick handling without additional tools
- Modular concept: expand system according to your requirements

The ToolingShuttle 30 combines the crimp applicator (tooling), terminal reel and paper winder into one mobile quick-change unit for CrimpCenter 3-series fully automatic crimping machines. The ToolingShuttle 30 allows the operator to exchange all three elements simultaneously which significantly reduces changeover time.

Technical Data

Dimensions

660 x 140 x 1107 mm (26.0 x 5.5 x 43.5")

Weight

7 kg (15.4 lbs.)

ToolingShuttle 61

Mobile Quick-Change Unit for CrimpCenter 6-Series



Your Benefits

- Changeover in less than 30 seconds
- For most standard crimp applicators (tooling)
- Retrofittable for all CrimpCenter 6-series models
- Simple and quick handling without additional tools
- Modular concept: expand system according to your requirements

The ToolingShuttle 61 combines the crimp applicator (tooling), terminal reel and paper winder into one mobile quick-change unit for CrimpCenter 6-series fully automatic crimping machines. The ToolingShuttle 61 allows the operator to exchange all three elements simultaneously which significantly reduces changeover time.

Technical Data

Dimensions

545 x 230 x 1195 mm (21.4 x 9.0 x 47.0")

Weight

7.5 kg (16.5 lbs.)

CenterStrip 1000

CenterStripping Unit



Your Benefits

- New controller with touch screen and multilingual navigation
- Simplified operation and communication
- Safety circuit interface to base machine
- Optimised machine cycle with status monitoring
- Increased flexibility regarding customer requirements

The CenterStrip 1000 is designed to precisely strip insulation windows from wires and multi-layer cables ranging from 0.5 – 10 mm² (20 – 8 AWG). Short cycle times, simple operation, and easy integration make the CenterStrip 1000 an ideal add-on to automatic wire processing systems such as fully automatic crimping machines or cut & strip machines.

Technical Data

Wire Size Range

0.5 – 10 mm² (20 – 8 AWG)
Bigger cross sections on request

Cable Outer Diameter

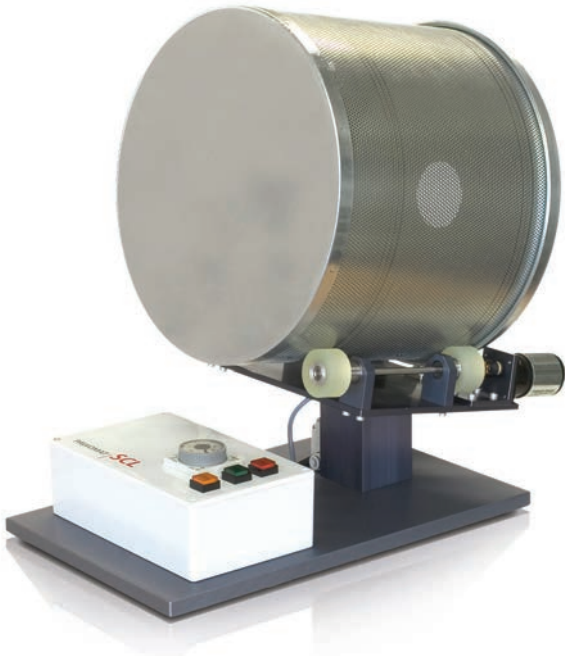
9 mm (0.35")

Cycle Time

Maximum 550 ms

SealCleaner 20

Cleaning Station for Seals



Your Benefits

- Air input for best cleaning results
- Timer operated
- Automatic motor shut off after the pre-set has elapsed
- Automatic input voltage regulator
- Removable seal container, easy to fill and empty

The SealCleaner 20 is an accessory used in loose piece sealing. It easily cleans and dries oily seals by tumbling in combination with special towels.

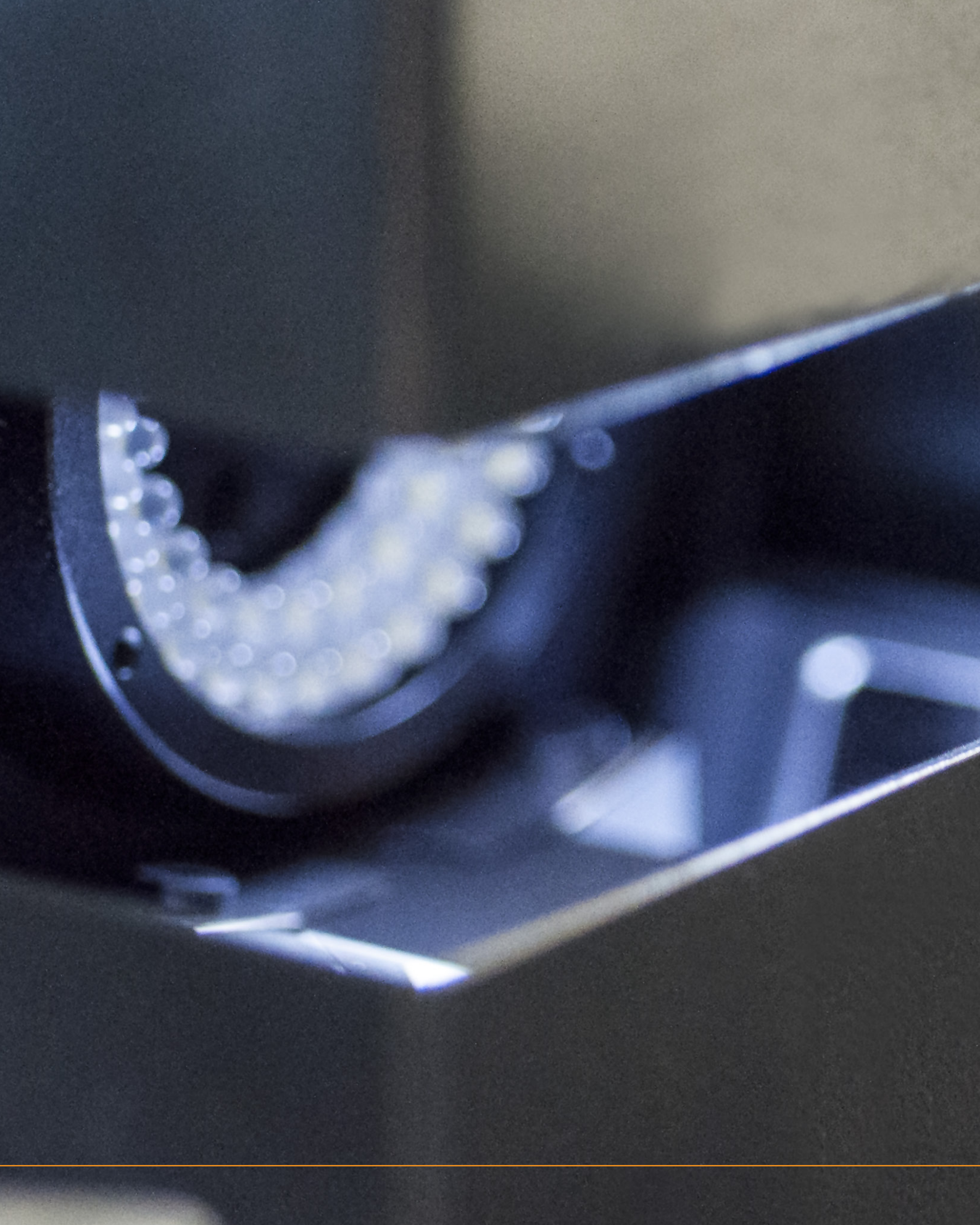
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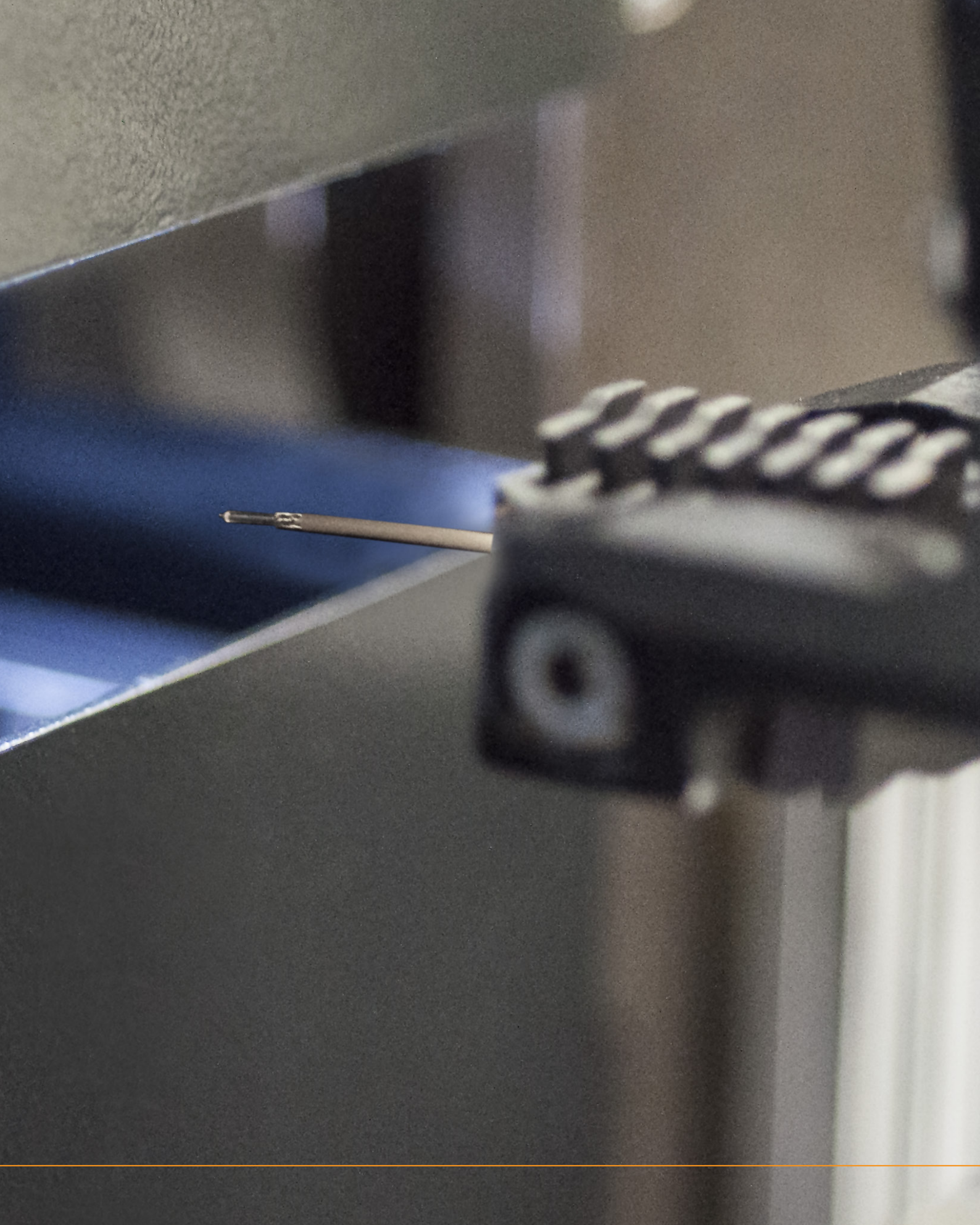
Dimensions

400 x 300 x 450 mm (12" x 16" x 18")

Weight

11 kg (24 lbs.)





CoaxCenter 6000

Unbeatable Quality in Micro-Coaxial and Coaxial Cable Processing

Schleuniger's CoaxCenter 6000 systematically integrates and automates all of the individual steps needed for the processing of micro-coaxial and coaxial cables on a highly flexible machine platform. Our award-winning machine provides unbeatable precision, flexibility and speed.

Technical Data

Maximum cable outer diameter

5.5 mm (0.21")

Minimum cable size

0.005 mm² (AWG 40)

Maximum cable length

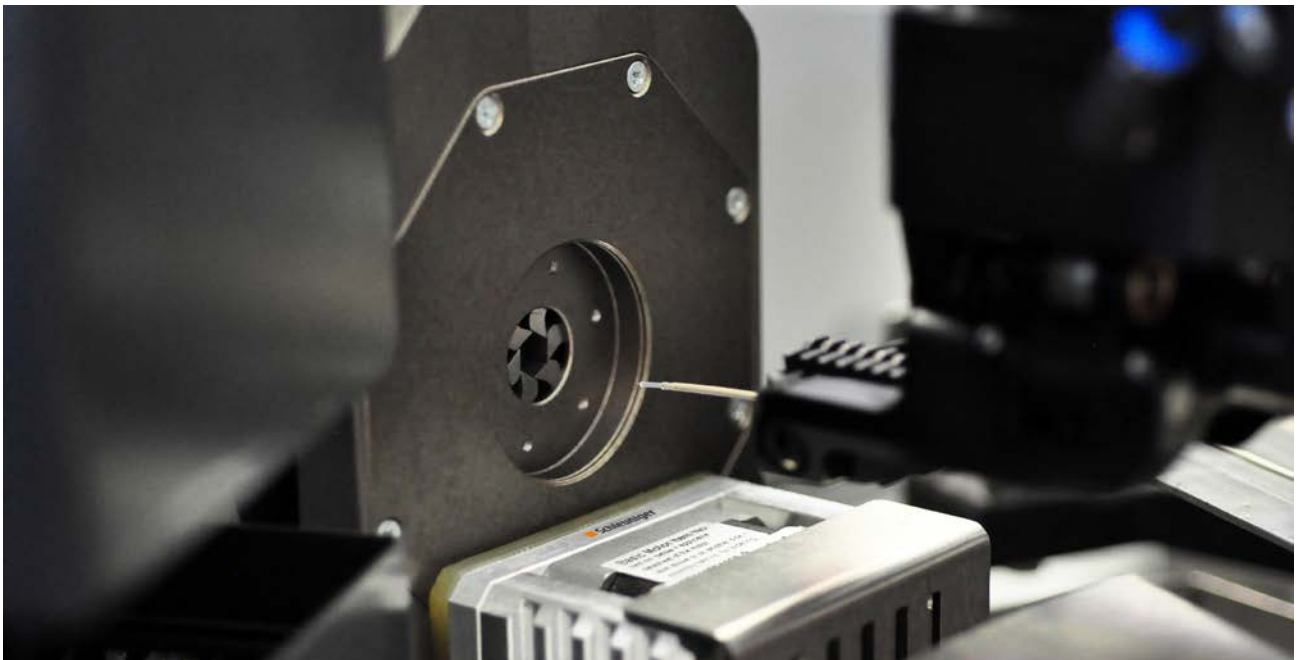
1000 mm (39.4"), longer cable length with active wire stacker possible

Maximum strip length side 1

26 mm (1.02"), 45 mm (1.77") possible with new software version

Maximum strip length side 2

26 mm (1.02")

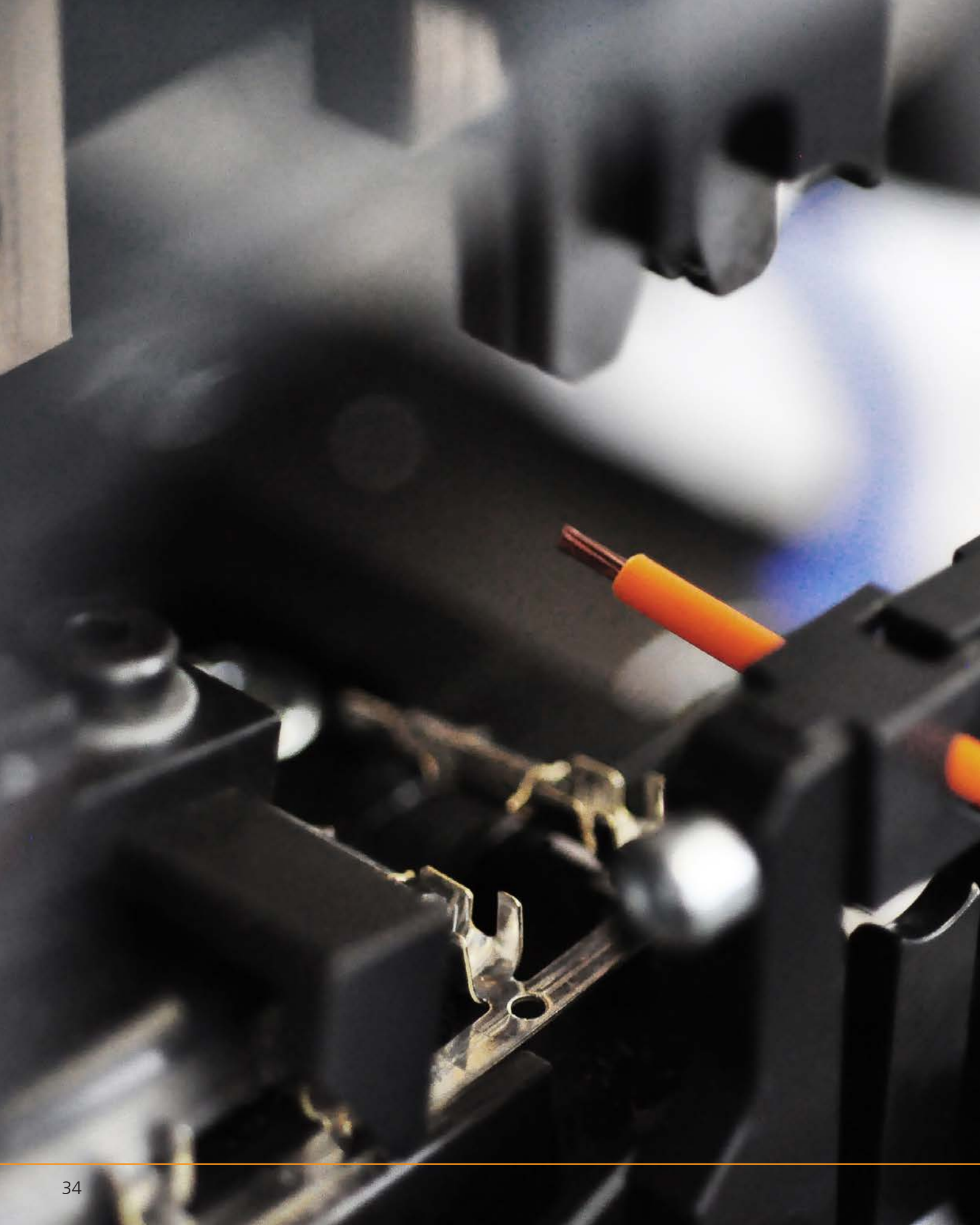





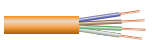





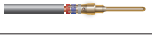


Cut, Strip & Terminate

Your Benefits

- Unbeatable stripping accuracy
- Automatic quality monitoring of the stripping results
- Traceability through recording of the production data
- High degree of processing flexibility
- High production output



Application Overview Crimp

Applications		Crimp Machine	UniCrimp 200	StripCrimp 200	StripCrimp 750	SealCrimp 210 B	StripCrimp LPC
		Maximum cable OD	6 mm (0.24")	6 mm (0.24")	6 mm (0.24")	6 mm (0.24")	5.5 mm (0.22")
Sample		Discrete wire stripping		■	■	■	■
		Multi-conductor cable stripping		■	■	■	■
		Discrete wire crimping	■	■	■	■	
		Multi-conductor cable crimping	■	■	■	■	
		Discrete wire stripping & crimping		■	■	■	
		Multi-conductor cable stripping & crimping		■	■	■	
		Discrete wire stripping & crimping of loose terminals					■
		Multi-conductor cable stripping & crimping of loose terminals					■
		Discrete wire stripping, crimping & sealing				■	
		Multi-conductor cable stripping, crimping & sealing				■	



UniCrimp 200

Crimping Machine

Meet the most powerful crimping machine in its class! The UniCrimp 200 benchtop crimping machine is designed for crimping open or closed barrel terminals with up to 3.4 tons (33 kN) of crimp force. The machine easily handles wire sizes up to 6 mm² (10 AWG) and accepts most standard mini-style applicators (mechanical or pneumatic) for crimping side- and rear-feed terminals. The UniCrimp 200 ensures fast cycle speed as well as extremely quiet and safe operation.

Technical Data

Crimping Force

33 kN (3.4 tons)

Maximum Cable Diameter

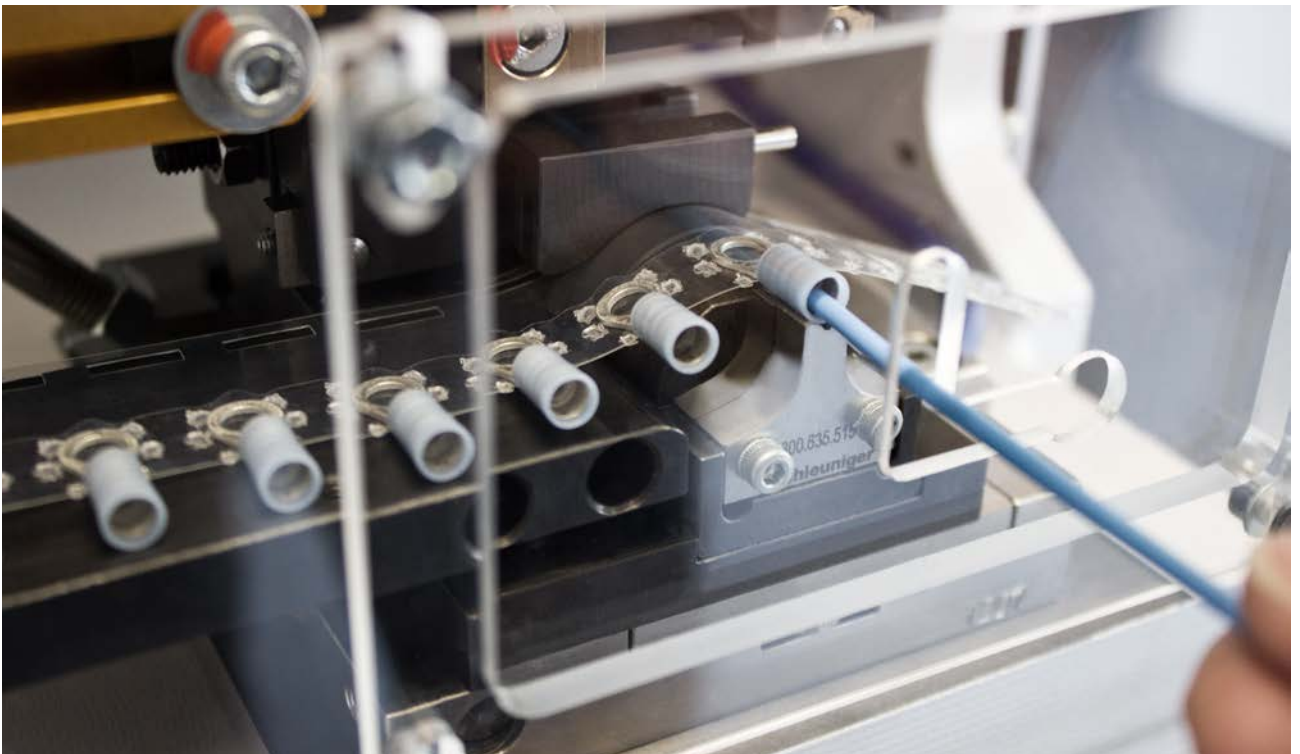
6 mm (0.24")

Maximum Cable Cross Section

6 mm² (10 AWG)

Minimum Cable Cross section

0.05 mm² (30 AWG)





Your Benefits

- Economical & user-friendly
- Quick-release applicator base for easy changeover
- Adjustable crimp speed
- Standard tool-less, incremental crimp height adjustment (micro-adjust)
- Split cycle capability for closed barrel contacts

StripCrimp 200

Stripping and Crimping Machine

The fully programmable StripCrimp 200 is one of the most flexible stripper crimper machines on the market! It's most suitable for high precision stripping and crimping of side- or rear-feed terminals for wires between 30 – 12 AWG (0.05 – 4.00 mm²). The StripCrimp 200 captivates with great flexibility and user-friendly operation. The machine is highly suitable as a semi-automatic stripper crimper or within fully automatic transfer systems and runs fast, quietly and safely.

Technical Data

Crimping Force

33 kN (3.4 tons)

Maximum Cable Diameter

6 mm (0.24")

Maximum Cable Cross Section

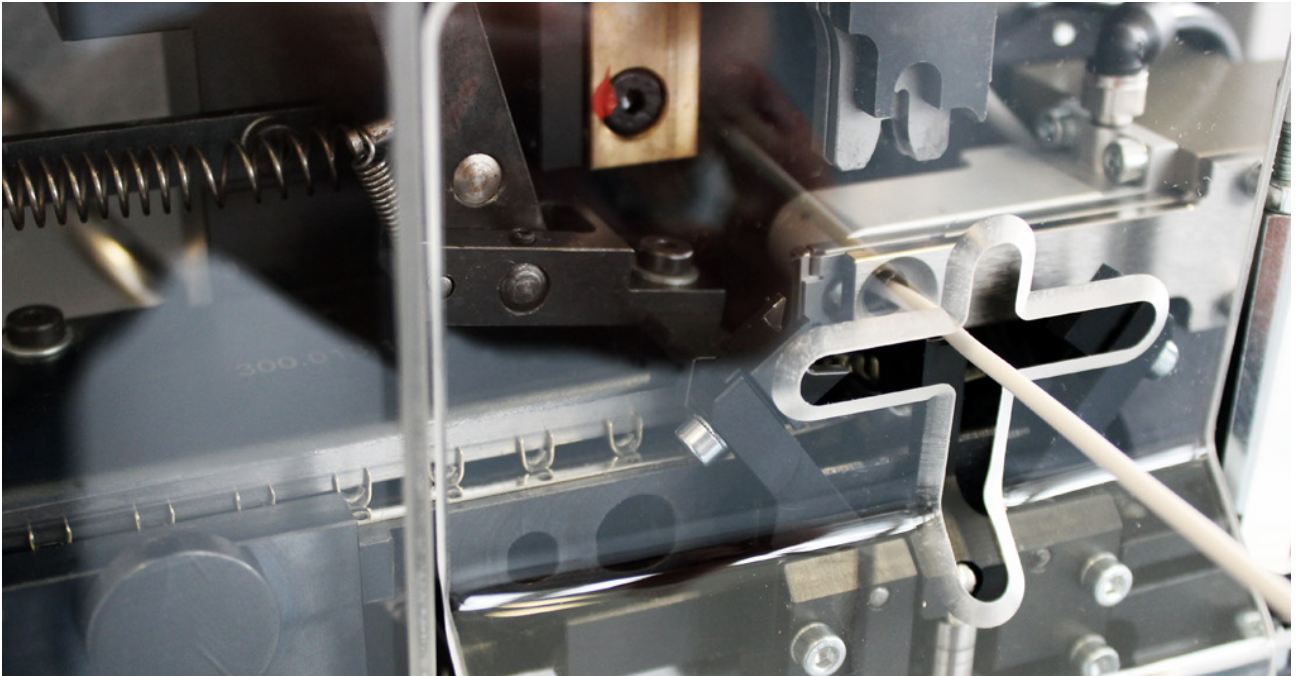
4 mm² (12 AWG)

Minimum Cable Cross Section

0.05 mm² (30 AWG)

Maximum Stripping Length

15 mm (0.59")





Your Benefits

- Fully programmable stripping unit with wayback and recut function
- Economical & user-friendly
- Quick-release applicator base plate for easy changeover
- Job memory for all cable parameters and functions
- Split cycle capability for closed barrel contacts

StripCrimp 750

Stripping and Crimping Machine



Your Benefits

- Fully programmable stripping unit with way-back function
- High quality stripping & crimping
- Programmable wire-trimming feature & way-back for critical applications
- Wire remains in the same position during whole processing cycle

The StripCrimp 750 is a fully programmable machine for stripping and crimping wires from 0.05 - 4 mm² (12 - 30 AWG) in one operation. The highly flexible and electronically controlled benchtop unit accepts most universal or mini-style applicators for crimping both side-feed and rear-feed open barrel terminals.

Technical Data

Crimping Force

20 kN (2 tons)

Maximum Cable Diameter

6 mm (0.24")

Maximum Cable Cross Section

4 mm² (12 AWG)

Minimum Cable Cross Section

0.05 mm² (30 AWG)

Maximum Stripping Length

12 mm (0.47")

StripCrimp LPC

Stripping and Crimping Machine for Loose Piece Terminals



Your Benefits

- High precision 4/8-indent crimps of machines-terminals
- Fast changeover times
- Simple operation with PILOT handheld
- Programmable sequence: zero cut, strip, crimp
- Microadjustment dial for crimp depth

The StripCrimp LPC is a semi-automatic benchtop machine for processing turned loose piece terminals (closed barrel) with a cross section range from 0.14 – 2.5 mm² (26 – 14 AWG). Key component is a highly flexible feeding module that first sorts and separates terminals with an integrated drum / track system and subsequently brings them into the correct crimping position.

Technical Data

Maximum Cable Diameter

5.5 mm (0.22")

Maximum Cable Cross Section

2.5 mm² (14 AWG)

Minimum Cable Cross Section

0.14 mm² (26 AWG)

Maximum Stripping Length

10 mm (0.39")

Minimum Jacket Stripping Length

15 mm (0.59")

SealCrimp 210 B

Stripping Sealing and Crimping Machine

The SealCrimp 210 B is a highly flexible benchtop machine for stripping, sealing, and crimping a great variety of different wire sizes up to 2.5 mm² (14 AWG). The machine can process a great variety of crimp terminals and seal types, including mini seals and hard-shell seals. Due to its modular design it can also be used as a stripper, stripper-crimper, or a crimping machine.

Technical Data

Crimping Force

20 kN (2 tons)

Maximum Cable Diameter

6 mm (0.24")

Maximum Cable Cross Section

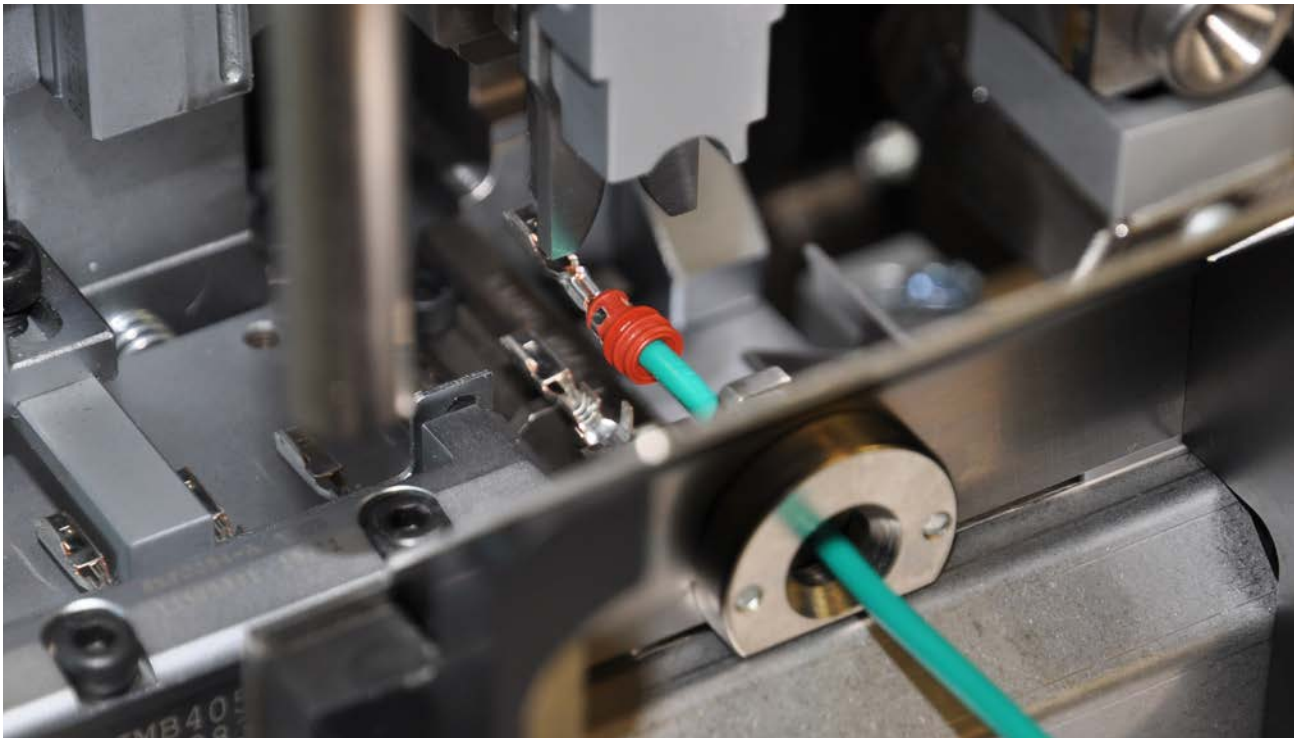
2.5 mm² (14 AWG)

Minimum Cable Cross Section

0.2 mm² (24 AWG)

Maximum Stripping Length

8 mm (0.31")



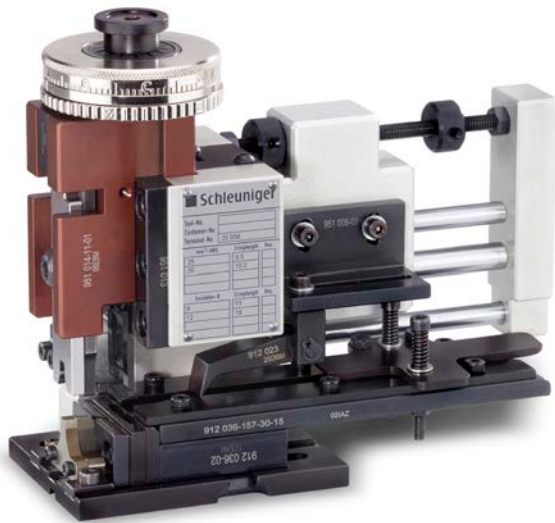


Your Benefits

- High output
- Flexible use: selectable operating modes
- Short changeover times
- Precision & repeatability
- Simple operation

Uni-G Applicator

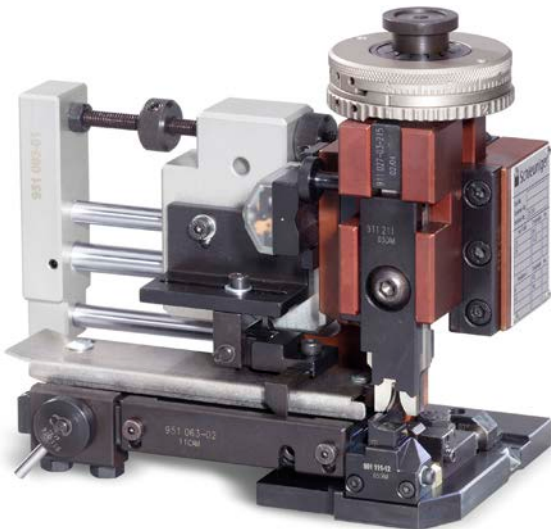
Universal Crimp Applicator



Your Benefits

- Suitable for automatic and semi-automatic crimping processes
- Virtually unlimited application range
- Simple operation and robust design
- Less wear due to high precision feeding system

The pneumatic Uni-G applicators are designed for use with side- and end-feed, banded terminals with either open or closed barrel construction.



Technical Data

Crimp Height Adjustment

Max. 1.6 mm (0.06")

Increment

0.02 mm (0.0008")

Insulation Crimp Height Adjustment

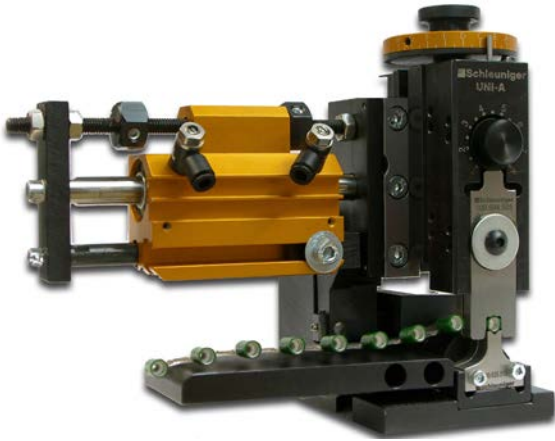
Maximum 1.8 mm (0.07")

Increment

0.03 mm (0.001")

Uni-A Applicator

Universal Crimp Applicator



Your Benefits

- Lightweight construction for easy handling & highest precision
- Standard tool-less, incremental crimp height adjustment (micro-adjust)
- Front adjustable transport feed (rear- and side-feed applicators)
- Mechanical ejector design ensures terminals are properly cleared
- Virtually unlimited application range

Technical Data

Crimp Height Adjustment

Maximum 1 mm (0.04")

Increment

0.02 mm (0.0008")

Insulation Crimp Height Adjustment

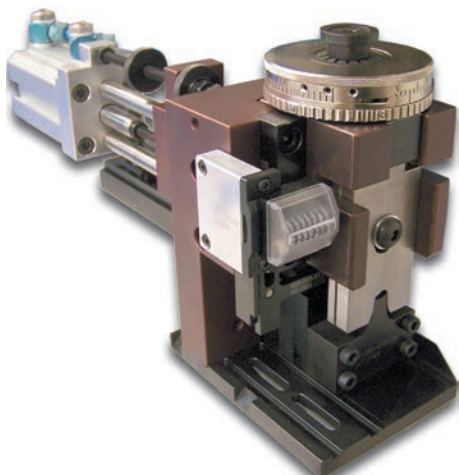
Maximum 2 mm (0.08")

Increment

0.1 mm (0.004")

HeavyCrimper

Crimp Applicator



Your Benefits

- Processing of large cross sections up to 50 mm² (1/0 AWG)
- Rugged construction for highest accuracy
- Quick-change system for minimum changeover
- Micro-adjustment of crimping height in steps of 0.02 mm (0.0008")

Technical Data

Shut Height

HeavyCrimper PR/PS: 158.38 mm (6.235")

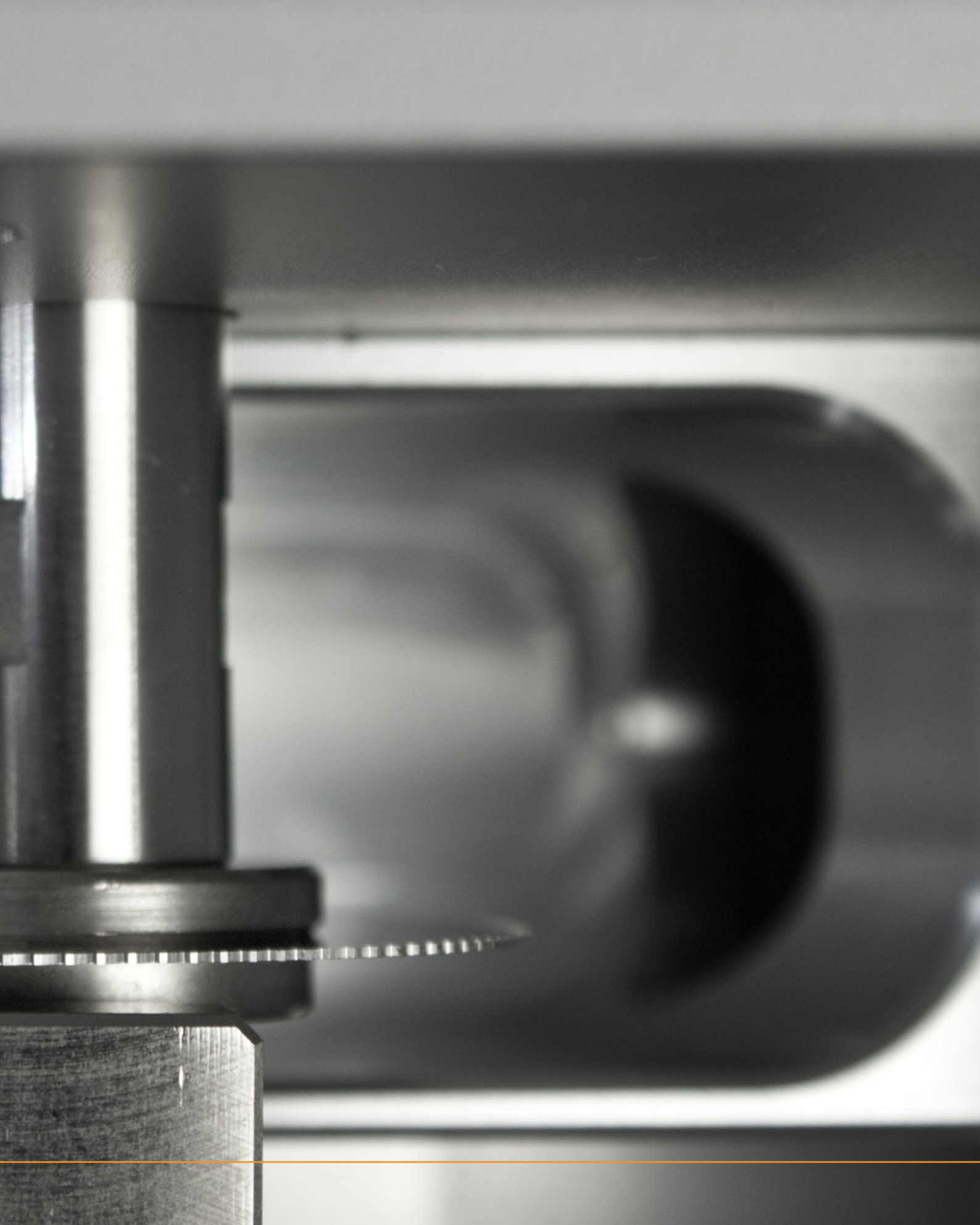
HeavyCrimper XL: 182.98 mm (7.204")

Feed Stroke

HeavyCrimper PR/PS: 1 – 70 mm (0.039" – 2.756")

HeavyCrimper XL: n/a





Processing Specifications

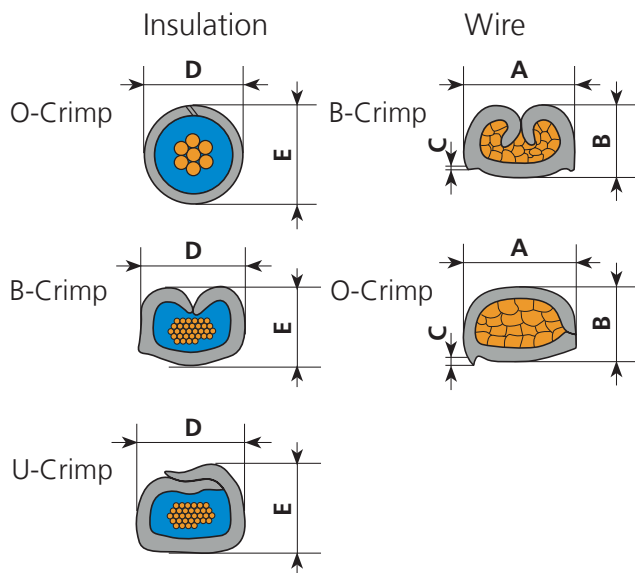
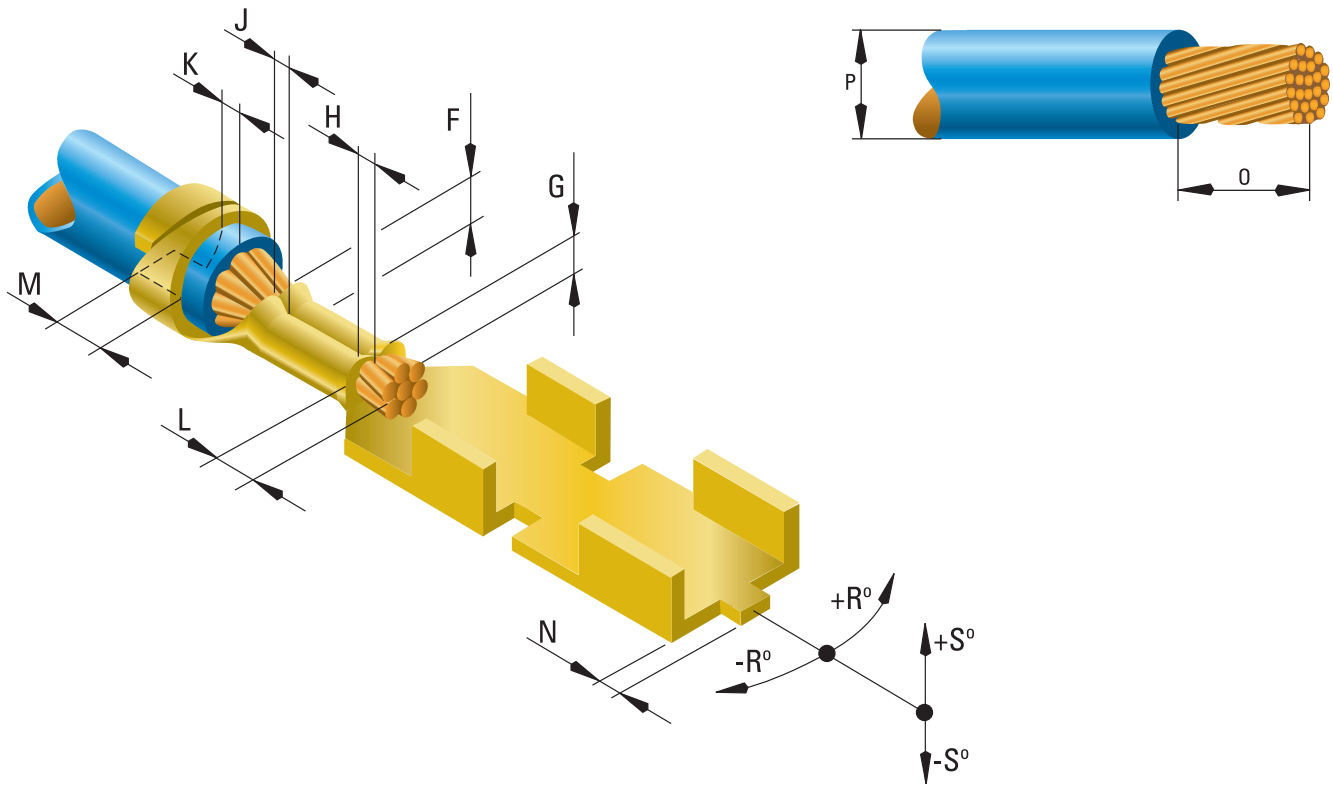
Crimping Conditions

	Insulation Crimp	Wire Crimp	Insulation Crimp	Wire Crimp
Good				
Conditional Approval				
Bad				

Width of flash
max. 1/2 of material thickness

Flange distance to base
min. 1/2 of material thickness

Terminal material broken



- A. Wire crimp width
- B. Wire crimp height
- C. Flash
- D. Insulation crimp width
- E. Insulation crimp height
- F. Rear bellmouth height
- G. Front bellmouth height
- H. Rear bellmouth length
- J. Front bellmouth length
- K. End of insulation
- L. Wire brush
- M. Insulation barrel length
- N. Cut-off-tab (front and back)
- O. Strip length
- P. Insulation diameter
- R. Terminal bent left/right
- S. Terminal bent upward/downward

Quality Assurance

ACO 07

Crimp Force Monitoring

The ACO 07 features numerous new functions and capabilities, such as faster processing times and a VGA monitor interface, making the ACO 07 very powerful and convenient.

Technical Data

Measurement Range

0 – 15kN (optional up to 100kN)

LCD-Display

Single channel: 2 x 16 characters

Analysis

Software for multi-channel monitoring with optional statistical analysis

Network Compatibility

Via RS 232 or Ethernet (TCP/IP) via WinCrimp LAN or WLAN





Your Benefits

- High process reliability with 100% inspection
- Network capability for efficient data collection and control
- Simple display and user interface for ease of learning and use

SawInspect System 6

Crimp Micrograph Analysis

The Schleuniger SIS 6 is an extremely compact device for crimp cross section analysis. Within a few quick steps, users can create cross sectioned samples.

All parameters of cross sectioned contacts can be measured and analyzed with the CrimpLab 2 analysis software. Measurements are performed manually when using the CrimpLab 2 Standard software. The optional CrimpLab 2 Automatic software includes fully automatic contour recognition and measurement of B-crimps. All measurement parameters can be captured in seconds with just a few clicks. The high quality, metal blade eliminates the need for polishing so significant processing time is saved.

Technical Data

Cross Section Range

0.03 – 6 mm² (32 – 10 AWG)

Maximum Contact Height

9 mm (0.35")

Blade

VHM / 40 x 0.4 mm

Camera / Resolution

USB 2.0 / 1.3 Megapixel





Your Benefits

- Significantly reduced micrograph processing time
- User-friendly measurement software with optional automatic contour recognition
- Compact design

SawPolish Unit

Crimp Micrograph Analysis

The SawPolish product family offers three models to cover a wide range of applications. Each model has its own specifications to meet varying budgets and production needs. All units feature hard metal cutting blade that provide a high quality cut. In many cases, polishing is not needed saving valuable processing time.

Technical Data

Maximum Terminal Height

SawPolish Unit 6 Comfort: 9 mm (0.35")

SawPolish Unit 6: 9 mm (0.35")

SawPolish Unit 60: 20 mm (0.79")

Standard Saw Blade

SawPolish Unit 6 Comfort: Carbide (VHM) 40 x 10 x 0.4 mm (1.57 x 0.39 x 0.02")

SawPolish Unit 6: Carbide (VHM) 40 x 10 x 0.4 mm (1.57 x 0.39 x 0.02")

SawPolish Unit 60: Carbide 100 x 22 x 1.0 mm (3.94 x 0.87 x 0.04")

Suitable for copper, aluminum, steel, alloy steel, stainless steel, titanium, bronze, brass, cast iron, gold, silver, inconel, nimonic, hastelloy, magnesium alloys, plastic

Polishing Disc Diameter

SawPolish Unit Comfort, SawPolish Unit 6, SawPolish Unit 60: 100 mm (3.93")





Your Benefits

- Three models for sawing and polishing a wide range of crimp connections
- Polishing disc is in line with the saw blade for fast and simple processing
- Compatible with Electrolyte Staining Unit and MacroZoom Unit 1.3 for a complete crimp cross section analysis
- Numerous sample holders are available for a variety of applications such as welding, potting and connector inspection

MacroZoom Unit 1.3

Sample Inspection System for Crimp Cross Section Analysis



Your Benefits

- Nine fixed zoom positions for calibration accuracy
- Simple connection and installation with standard PC
- Clear illumination with LED ring light
- Analysis according to international standards

Technical Data

MZU for SPU 6 | SPU 6 C

1.0 x 0.8 mm up to 6.8 x 5.1 mm
(0.04 x 0.03" up to 0.26 x 0.2")

MZU for SPU 60

2.6 x 2.0 mm up to 17.1 x 12.8 mm
(0.10 x 0.08" up to 0.67 x 0.50")

Lens and Zoom

MacroZoom lens with nine incremental zoom steps

The MacroZoom Unit 1.3 is a component of the MicroGraph System for the creation of high quality cross-sectional images of crimp connections and other applications. The MacroZoom Unit 1.3 includes the microscope unit plus the analysis software.

ElectrolyteStaining Unit 6

Sample Staining Unit for Crimp Cross Section Analysis



Your Benefits

- No special purchasing due to hazardous chemicals
- No special hazardous chemical safety equipment required
- Environmentally-friendly

Technical Data

Cleaning Process

Electrolytic-Staining process
(electro-chemical process)

Staining Pen Tip Material

Felt tips

The ElectrolyteStaining Unit 6 utilizes a staining solution with Ph level of 7, which is equal to water. Therefore, the staining process is simple and fast yet much safer than conventional systems that utilize acid solutions to etch the face of the sample.

MicroGraph System

Modular System for Crimp Cross Section Analysis



Crimp cross sectional analysis has quickly become an integral part of the crimp quality process. With the MicroGraph System (MGS), crimp cross sectional images can be created in a fraction of the time compared to conventional methods.

Quality Assurance

CHM

Crimp Height Meter

Precision crimp height measurement device for verification of non-insulated crimp terminals. The CHM can be used as a stand-alone device or integrated into CrimpCenter machines for quality verification. The spring-loaded measuring pin ensures a consistent force is applied for best consistency between operators.

Technical Data

Measuring Gauge

Standard: Mitutoyo Digimatic, Optional: Sylvac

Resolution

Standard: 0.01 mm (0.0004")

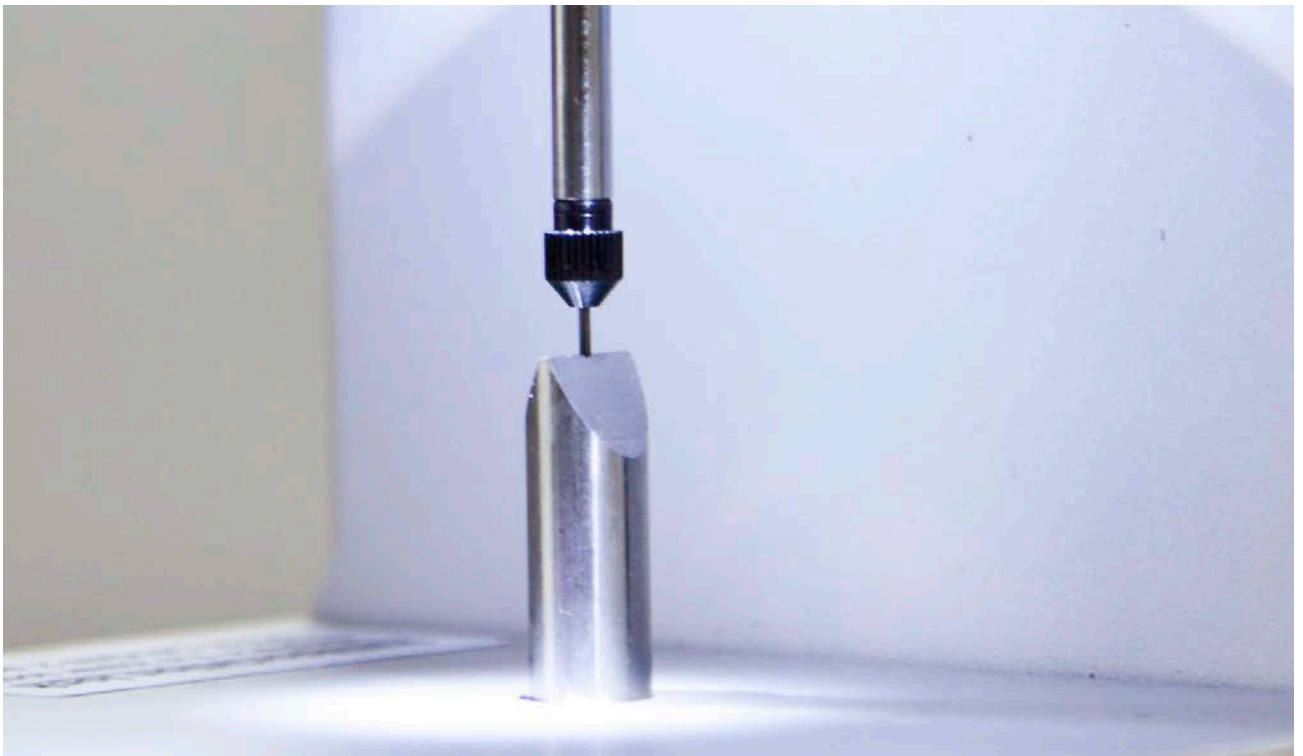
Optional: 0.001 mm (0.00004")

Power Supply

110/220 VAC

Dimensions

155 x 125 x 233 mm (6.1 x 4.9 x 9.2")





Your Benefits

- Pin & blade measuring points
- Easier terminal positioning
- Consistent measuring force
- Improved reliability and repeatability

PullTester 20

Pull Testing Machine



Your Benefits

- Two selectable pulling rates
- Speed controlled motor for consistent pull rates
- Standard RS 232 interface for curve analysis with optional WinCrimp PC software

Technical Data

Measuring Range

Up to 500 N (110 lbs.)

Applied Force Accuracy

0.4% of full scale (± 2 N or 0.44 lbs.)

Schleuniger's PullTester 20 is a motorized, benchtop unit designed to measure pull-test forces for a variety of applications. The most common applications are wire crimp and ultrasonic metal welding connections, but the design makes it possible to create custom fixtures for many other applications.

PullTester 25

Pull Testing Machine



Your Benefits

- Dual-range for improved accuracy over a wider range of wires
- Two selectable pulling rates
- Simple LCD display for easy programming & reading
- Variety of possible terminal (crimp) and wire holders

Technical Data

Measuring Range

Standard: 0 – 500 N and 0 – 1000 N
(0 – 110 lbs. and 0 – 220 lbs.),
other variations possible

Applied Force Accuracy

0.2% of full scale

The PullTester 25 is a dual-range, motorized benchtop device for measuring pull forces of crimp connections, welded connections or many other possibilities. The dual-range capability provides greater accuracy on a broader range of wires than single-range pull test devices. The PullTester 25 is specially suited for quality assurance in a production environment.

PullTester 26

Pull Testing Machine



Your Benefits

- Dual-range for improved accuracy over a wider range of wires
- Four pulling modes for destructive & non-destructive tests
- Four selectable pulling rates
- Job memory for up to 48 jobs with 50 measurements

Schleuniger's PullTester 26 is a dual-range, motorized, benchtop unit designed to measure pull-test forces of crimp and ultrasonic weld connections. This versatile machine has two measuring ranges, which are individually calibrated enabling use of its 500 N (110 lbs.) scale for small wires, while easily switching to its 1000 N (220 lbs.) scale for larger wires.

Technical Data

Measuring Range

Standard: 0 – 500 N and 0 – 1000 N (0 – 110 lbs. and 0 – 220 lbs.), other variations possible

Applied Force Accuracy

0.2% of full scale

Device Data Memory

Up to 48 jobs with 50 measurements (2,400 values)

PullTester 27

Pull Testing Machine



Your Benefits

- Dual ranges for improved accuracy over a wider range of wires
- Two selectable pulling rates
- Speed controlled motor for consistent pull rates
- Standard RS 232 interface for curve analysis with optional WinCrimp PC software

Schleuniger's PullTester 27 is a dual-range, motorized, benchtop unit designed to measure pull-test forces of crimp and ultrasonic weld connections on a wider range of wires. This dual-range capability ensures the highest accuracy for the widest range of applications.

Technical Data

Measuring Range

Standard: 2,000 / 5,000 N (440 / 1100 lbs.),
Special: 5,000 / 10,000 N (1100 / 2200 lbs.)
(other combinations possible)

Applied Force Accuracy:

0.2% of full scale

PullTester 28

Pull Testing Machine



Your Benefits

- Speed controlled motor provides extremely consistent readings
- Three pulling modes for destructive & non-destructive tests
- Simple LCD display for easy programming and read out
- Standard RS 232 interface for curve analysis and downloading test data
- Networking capabilities

Schleuniger's PullTester 28 is a dual-range, motorized benchtop device designed to measure pull forces of wire crimp connections as well as ultrasonic metal welding connections on a wider range of wire than single-range pull test devices. The PullTester 28 is specially suited for quality assurance in a production environment.

Technical Data

Measuring Range

Standard: 2,000 / 5,000 N (440 / 1100 lbs.)

Special: 5,000 / 10,000 N (1100 / 2200 lbs.)

Other combinations possible.

Applied Force Accuracy

0.2% of full scale

Device Data Memory

Up to 48 jobs with 50 measurements (2,400 values)

PullTester 320

Pull Force Testing

Schleuniger's PullTester 320 is a motorized device for use with Schleuniger CrimpCenter automatic crimping machines to measure pull-test forces of wire terminations. This versatile machine has three measuring ranges, which are individually calibrated. Multiple pulling ranges offer a higher accuracy over the entire device range than single-range devices. The standard measuring ranges are 100 N, 200 N and 1000 N (22.5 lb, 45 lb, and 220 lb). The PullTester 320 with its triple-range capability ensures the highest accuracy over the widest range of applications.

Technical Data

Measuring Range

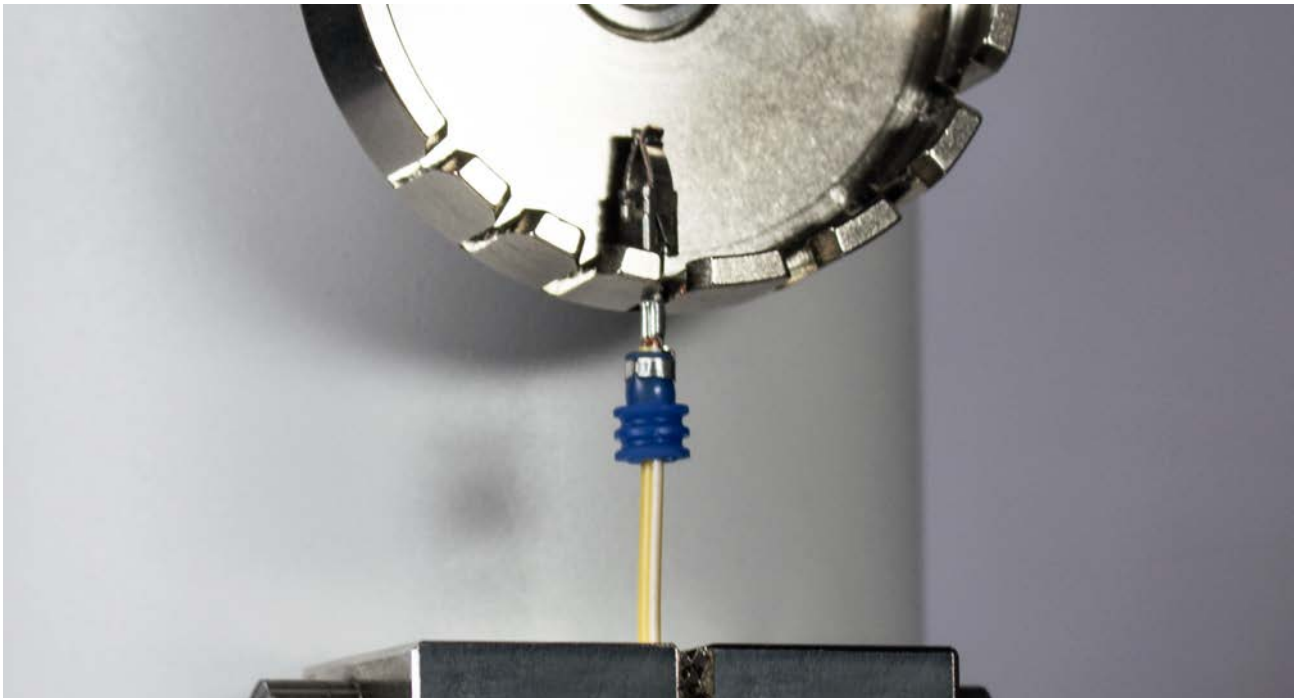
0 – 100 N / 0 – 22 lbf / 0 – 10 Kp

0 – 200 N / 0 – 44 lbf / 0 – 20 Kp

0 – 1000 N / 0 – 220 lbf / 0 – 100 Kp

Applied Force Accuracy

±0,2 % of measurement range





Your Benefits

- Triple range for the best accuracy over the widest range of wires
- Four selectable pulling rates to comply with common test requirements
- Speed-controlled motor for consistent pull rates throughout the measuring range
- Fully integrated into CrimpCenter EASY software to save time

PullTester 325

Pull Testing Machine



Your Benefits

- Three selectable force ranges for improved accuracy over a wider range of wires
- Two selectable pulling rates
- Speed controlled motor for consistent pull rates
- Standard RS 232 interface for curve analysis with optional WinCrimp PC software

The PullTester 325 is a triple-range, motorized benchtop device for measuring pull forces of crimp connections, welded connections or many other possibilities. The triple-range capability gives the PullTester 325 incredible application flexibility to handle a wide variety of testing applications.

Technical Data

Measuring Range

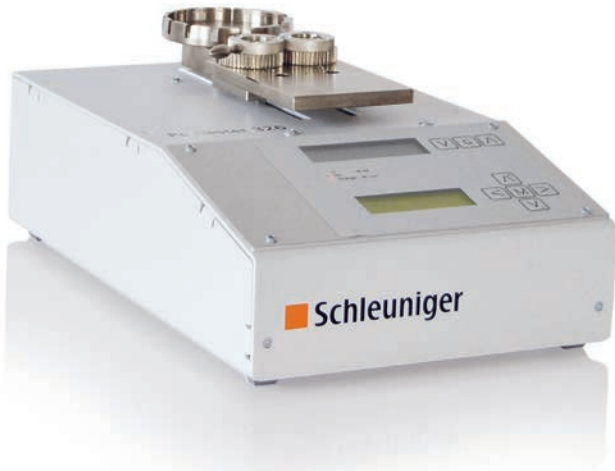
0 – 200 N / 0 – 45 lbf / 0 – 20 Kp
0 – 1000 N / 0 – 220 lbf / 0 – 100 Kp
0 – 2000 N / 0 – 450 lbf / 0 – 200 Kp
other variations available by special order

Applied Force Accuracy

0.5% of measurement range

PullTester 326

Pull Testing Machine



Your Benefits

- Three selectable force ranges for improved accuracy over a wider range of wires
- Four selectable test modes for destructive and non-destructive testing
- Job memory for loading test parameters and extracting test results for statistical analysis.
- Standard RS 232 interface for curve analysis with optional WinCrimp statistical software

The PullTester 326 is a motorized benchtop device to measure pull-test forces of wire terminations. The Schleuniger PullTester 326 offers four selectable pulling rates consistent with the most common specifications. It is equipped with a speed-controlled motor, ensuring consistent pull rates throughout the complete measurement cycle resulting in repeatable and accurate data.

Technical Data

Measuring Range

0 – 200 N / 0 – 45 lbf / 0 – 20 Kp
0 – 1000 N / 0 – 220 lbf / 0 – 100 Kp
0 – 2000 N / 0 – 450 lbf / 0 – 200 Kp
other variations available by special order

Applied Force Accuracy

0.5% of measurement range

Device Data Memory

Up to 48 jobs with 50 measurements (2,400 values)



To Be Precise.