

B340
STRIP SERIES

Precise – efficient – versatile

The Strip Series B340 strips simple stranded wires and multiconductor cables with a cross section from 0.013 to 16 mm² (36 – 5 AWG) and a diameter of up to 9 mm (0.35").

Thanks to four rotary X-shaped blades, the Strip Series B340 processes even demanding cables and materials at the highest quality. With up to 80 mm strip length and 40 mm pull-off length, it offers maximum flexibility. High repeat accuracy, mechanical precision, and short work cycles ensure maximum productivity. An optional software upgrade is available for more complex applications. The intelligent stripping unit enables clean trimming across the entire cross-section range. In addition, the B340 supports defined strand twisting as well as the sequential processing of multiconductor cables in a single operation. The machine is user-friendly, quick to set up, and can be operated without programming knowledge. It integrates easily into automated systems and, thanks to the AIC & ACD functions, can be used as a comprehensive quality solution.

Visible Precision.
Measurable Efficiency.

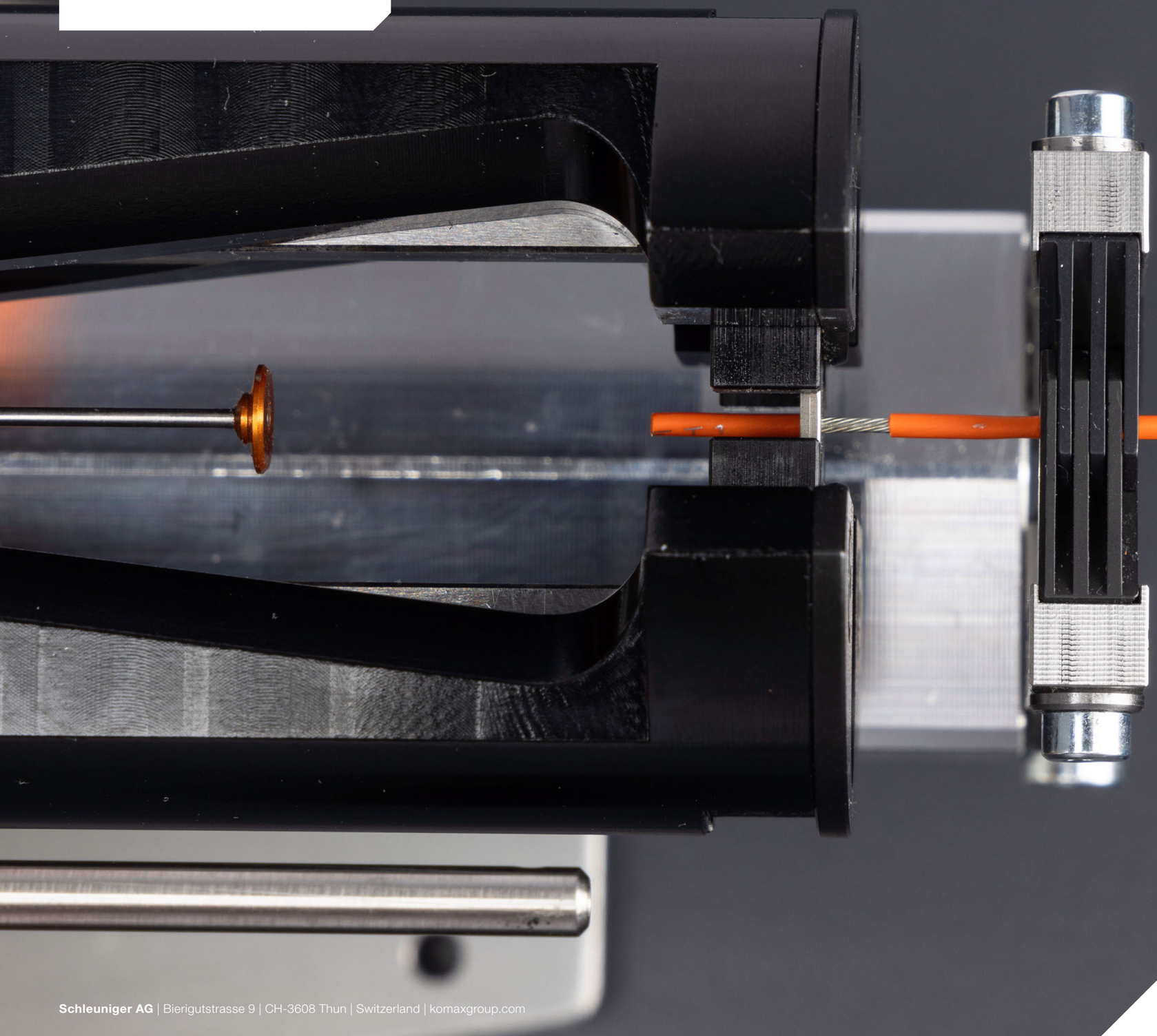
Your benefits

- Wide range of applications: cable diameter up to 9 mm, strip length up to 80 mm
- Intuitive operation: 5" color touchscreen with a concise user interface
- Maximum precision: rotary cutting mechanism with four X-shaped blades
- Reliable even with thin cables: sensitive trigger mechanism up to 16 m² (36 AWG)
- Clean trimming across a cross-section range of 0.013 - 1.8 mm² (15 – 5 AWG)
- IQ Run (on Pro & Ultra): automatic cable detection and processing without programming
- Adaptive incision (on Pro & Ultra): compensation of tolerances for consistent quality
- Process monitoring (on Ultra): no additional inspection step required

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Efficiency you feel immediately
With a cycle time from 2.3 seconds, the B340 demonstrates its performance. No referencing runs, no readjustment: the monitored drive technology permanently controls all axis positions and ensures consistently high process quality – even with demanding cable types.

Easy to operate. Uniquely fast.
The 5" high-resolution touchscreen guides the operator intuitively through all process steps. Even untrained personnel quickly achieve reproducible results. The integrated cable sensor starts the process automatically – insert, trigger, done. For even simpler workflows, the machine can be extended with IQ Run (from the «Pro» version) – cable processing without programming.

Universally applicable, for every requirement
Whether fine stranded wires, sensor cables, or rugged power cords: the B340 reliably processes a wide spectrum from 0.013 to 16 mm² (36–5 AWG). The advanced trimming function enables clean, flat cuts up to a 1.8 mm² cross-section range.

Quality you can rely on
With optional functions such as AIC – Adaptive Incision Control («Pro») and ACD – Automatic Conductor Detector («Ultra»), the B340 can be specifically extended to meet the highest quality requirements – from the automotive industry to medical technology.
– AIC automatically teaches in the cable and optimizes parameters in real time.
– ACD monitors every cut as well as the pull-off and prevents any kind of contact with the inner conductor.

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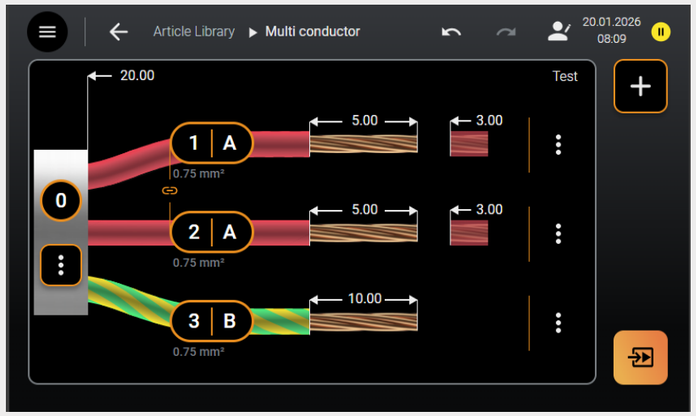
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The B340 impresses with virtually unlimited adjustment of the machine parameters. This enables very precise, cable-specific programming, so that even more complex cables can be processed to a high quality standard.

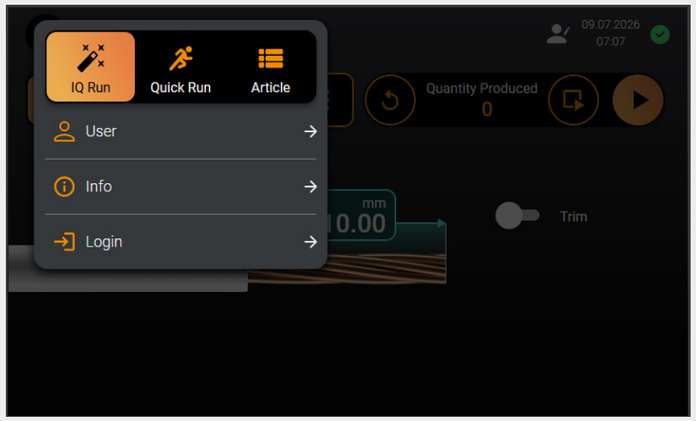
Programmable processing parameter
Thanks to comprehensive and easy-to-follow parameter settings, the machine can be precisely adjusted even for cables that are difficult to process. Among others (non-exhaustive):
– Strip and pull-off length
– Incision diameter
– Blade opening before pull-off (Pull-Off-Opening)
– Clamping force
– Twisting parameters

Features
– Extensive options for adjusting the processing possibilities such as clamping, incision & pull-off parameters and many more
– No mechanical adjustments when changing cables
– Automatic cable feed, diameter detection, cable end detection, user-defined cable end (up to 9 layers)
– Best results thanks to the trimming function
– Processing parameters in mm² and AWG
– Sequential processing of multiconductor cables with stripping of jacket and inner conductor in a programmable sequence
– Optional set for multiconductor cables with short breakouts
– Barcode reader function

IQ Run
The innovative IQ Run function (from the «Pro» version) enables, for the first time, fully programming-free cable processing by automatically detecting and setting parameters.



Multiconductors displayed visually and clearly (from «Plus»)



IQ Run function (from the «Pro» version)

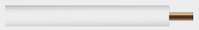
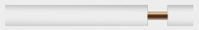
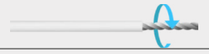
Options
– Short breakout kit for multiconductor cables with short breakouts, with a minimized distance between the protective cover and the blade plane
– Optional carbide blades for soft and tough insulations
– Air jet kit with waste extraction system
– Foot pedal

Technical data

Wire cross section stripping Wire cross section cutting	0.013 - 16 mm² (36 – 5 AWG) 0.013 - 1.8 mm² (15 – 5 AWG)
Wire outer diameter	0.25 – 9 mm
Raw material type	Single stranded wires, multiconductor cables, sensor cables
Strip length	0.1 – 80 mm
Pull-off length	0.1 – 40 mm / max. 37.5 mm (on Pro & Ultra)
Insertion depth	min. 15.7 mm / 18.2 mm (on Pro & Ultra)
Insertion depth with short breakout kit	8.4 mm (optional) / 10.9 mm (on Pro & Ultra)*
Cycle time	2.3 sec
Trigger	Highly sensitive trigger mechanism, touchscreen or optional foot pedal
Blades	4 blades, rotatable, straight, rotary X-shaped blades
Data interface	Foot pedal, USB, Ethernet, automation interface (option)
User interface	5" color touch panel
Noise level	<57 dB
Electrical connection	100 V AC - 240 V AC, 50/60 Hz
Compressed air connection	4 – 6 bar (with optional air jet kit)
Dimensions (L × W × H)	521 x 132 x 317 mm
Weight	12 kg
CE-conformity	The Strip Series B340 complies with all relevant EU directives and international standards (IEC and ISO) and is NRTL-certified for the USA and Canada.
Sample processing note	Processing outside the specifications or beyond the known processing capabilities is also possible. We are happy to review individual solutions on request.

Technical specifications subject to change without prior notice. * The max. cable diameter is reduced to 3.5 mm.

Processing capabilities

	Full stripping
	Partial stripping
	Multistep stripping
	Multicore cable processing
	Strand twisting
	Multilayer cable stripping

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ACD & AIC



Unique Integrated Quality Monitoring. Combine AIC with ACD to get the full Quality Control.
– The combination of AIC and ACD monitoring technology is unique on the market.
– Whereas AIC determines the cutting depth, ACD can be used to monitor the pull-off rate.

Wide application range
– Works for full cable cross section range.*
– Large range of wire insulations processable.*
– Developed with a focus on the increasing miniaturization of cables with smaller dimensions.

Processing range
0.013 - 16 mm², 36 - 5 AWG

* For cables with thin or special insulation types, the stripping parameters may need to be adjusted manually.

ACD (Automatic Conductor Detector)

Strands damaged during stripping can lead to cable failure and malfunctions, making reliable monitoring essential. That is when turning to the patented ACD incising monitoring system becomes the first choice.

ACD detects and reports even the slightest contact of the inner conductor by a blade. This is a very important monitoring function, especially for difficult cables where the blades must cut and pull-off precisely at the conductor without damaging it.

The function can be activated for quality assurance during cutting and/or stripping. This proven feature, indispensable for quality optimization, meets the highest standards in the automotive, medical, and aviation industries, and is now being introduced to the Schleuniger Strip Series.

– Proven technology, now also available for the Schleuniger Strip Series.
– Constant monitoring to meet highest quality and detects every single nick or scratch.
– Improved electromagnetic interference.
– Full control for incision depth and three pull-off zones (%).
– In addition to the standard settings (no incisions), user-defined settings for the maximum permissible incision depth can be configured if required
– If ACD is activated, the machine displays a message when a conductor is touched or the maximum contact force is reached.

AIC (Adaptive Incision Control)

Reducing the complexity of correctly configuring cables and supporting workflows involving varying cable types is an issue of importance. That is when AIC steps in to guarantee consistent and optimal machine configurations.

IQ Run eliminates the need for manual programming when switching between cable types. It ensures the machine is always configured correctly, reduces operator workload and minimizes training requirements. By continuously adjusting parameters, AIC also enhances production efficiency, maintains consistent quality, and significantly reduces waste caused by incorrect setups.

Machines equipped with AIC technology offer the following advanced functions:
– Program-free cable processing with IQ Run.
– Teach in cables instead of programming with "Teach-In Mode".
– Quality and monitoring right from the first incision.*
– Continuous production with minimal scrap and fewer stops.*
– Automatic compensation of inner-conductor tolerances.*

Benefits

– Once activated, production and stripping quality are consistently high, and waste is significantly reduced.
– Wire deviations, such as non-centric or strand variations, are detected automatically and compensated for.
– Minimal training is required, as the system can set the parameters itself.

* Cuts one to three hundredths of a millimeter are possible.

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Plus	Pro	Ultra
✓ High process reliability across the entire application range	✓ High process reliability across the entire application range	✓ High process reliability across the entire application range
✓ Article library for storing programs	✓ Article library for storing programs	✓ Article library for storing programs
✓ Processing of multicore cables (with jacket & conductor stripping)	✓ Processing of multicore cables (with jacket & conductor stripping)	✓ Processing of multicore cables (with jacket & conductor stripping)
✓ Multiple stripping & regrip	✓ Multiple stripping & regrip	✓ Multiple stripping & regrip
✓ IQ Run function to eliminate programming effort	✓ IQ Run function to eliminate programming effort	✓ IQ Run function to eliminate programming effort
✓ Cable learning function to reduce programming effort and complexity	✓ Cable learning function to reduce programming effort and complexity	✓ Cable learning function to reduce programming effort and complexity
✓ Adaptive Incision Control (AIC) ensures reliable stripping quality, even with reduced raw material quality	✓ Adaptive Incision Control (AIC) ensures reliable stripping quality, even with reduced raw material quality	✓ Adaptive Incision Control (AIC) ensures reliable stripping quality, even with reduced raw material quality
✓ Automatic detection of the inner conductor to identify contact and damage during the cutting and stripping process	✓ Automatic detection of the inner conductor to identify contact and damage during the cutting and stripping process	✓ Automatic detection of the inner conductor to identify contact and damage during the cutting and stripping process
	Software upgrade to «Ultra»	
Ideal for: – Many different cable types – Multicore cable processing	Ideal for: – Reliable processing performance – Reduced training and programming effort	Ideal for: – Applications that don't tolerate contact with the inner conductor

Available in three variants - developed for the highest quality across a wide range of requirements

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