B300
STRIP SERIES

Fast – reliable – compact
The Strip Series B300 is a powerful and intuitive wire stripping machine for simple wires from 0.03 to 8 mm² (32–8 AWG) and up to 7 mm outer diameter. It combines maximum operator friendliness with precise cutting and stripping technology.

Thanks to its sophisticated ergonomic design, touchscreen operation, and intelligent monitoring systems, the machine delivers maximum efficiency with minimal training effort. Depending on the variant, the B300 offers a comprehensive quality solution with its AIC & ACD functions.

Fast and Reliable Stripping on One Compact Machine

Your benefits
- Intuitive and exceptionally easy operation, ideal for environments with changing operators.
- Integrated article library including multicore cable processing for fast access to recurring jobs.
- Precise and reproducible quality.
- Wide application range for various cable types.
- High process reliability through continuous axis monitoring
- Highly sensitive trigger mechanism, ideal for small and flexible cables.
- Modular that grows with increasing quality requirements.

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Efficiency you can feel immediately
With cycle times starting from 0.35 seconds, the B300 demonstrates true performance. No reference runs, no readjustments: the monitored motor technology continuously controls all axis positions and ensures consistent quality, even with demanding cable types.

Easy to operate. Fast to become productive
The 5” high-resolution touchscreen guides the operator through every step. Even inexperienced personnel achieve perfect results quickly. The integrated trigger sensor starts the process automatically – insert, trigger, done. For even greater ease of use, the machine can be upgraded with the optional AIC function (available from the “Pro” version).

Universal application range – for small and large challenges
Whether fine strands, flexible sensor cables, or robust power cords – the B300 reliably processes cables from 0.03 to 8 mm² (32–8 AWG). The V-blade technology enables precise cutting without the need for tool changes.

Quality that inspires confidence
Optional features such as AIC (Adaptive Incision Control) and ACD (Automatic Conductor Detection) upgrade the B300 into a machine that meets the highest quality requirements – from the automotive industry to medical technology.
– AIC automatically analyzes the cable and optimizes parameters in real time.
– ACD monitors every cut and stripping process and detects microscopic damage to the inner conductor.

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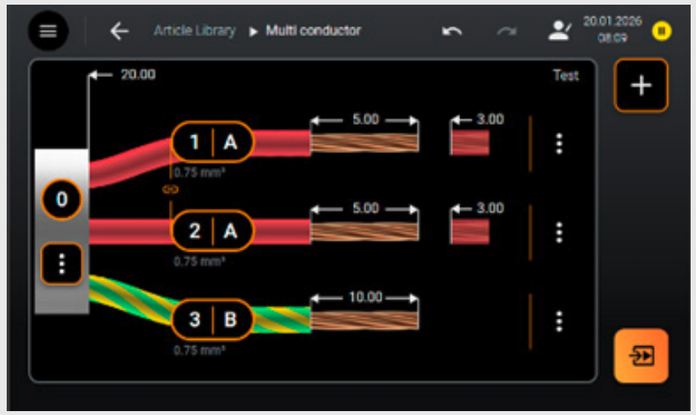
The B300 stands out with virtually unlimited machine parameter adjustment options. This enables highly precise, cable-specific programming and allows even complex cables with demanding quality requirements to be processed reliably.

Programmable processing parameters
– Strip length and pull-off length
– Incision diameter
– Blade opening before pull-off (Pull-Off Opening)
– Clamping force
– Trigger sensitivity

Features
– User-friendly and fast start-up with minimal training effort as well as quick programming thanks to Quick Run, AIC, tooltips, intuitive high-resolution touchscreen operation, and automatic cable insertion
– Individual programming and cable processing thanks to customizable cable ends, short breakout kit, and customer-specific clamping jaws
– No blade changes required for the entire cable processing range
– Highest quality thanks to cable-end detection for repeatable stripping length quality, AIC and ACD functions, continuous axis monitoring, and a highly sensitive trigger mechanism
– Visually controllable stripping process combined with outstanding flexibility and a broad application range completes the powerful overall package



Multicore cable processing displayd visually and clearly (from «Plus»)

Quick-run witch AIC (from «Pro»)

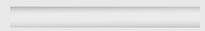
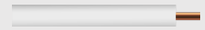
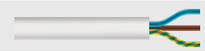
Options
– Software upgrade with extended functionality such as multi-step pull-off, staggered stripping, and sequential stripping of multicore cable
– Upgrade includes an article library with search functions and barcode scanner support
– Foot pedal
– Customer-specific clamping jaws on request
– Air jet kit with waste extraction system
– Short breakout kit for reducing the minimum stripping length

Technical data

Wire cross section	0.03 – 8 mm² (32 – 8 AWG)
Wire cross section cutting	max. 2.5 mm² (stranded wire)
Wire outer diameter	0.25 – 7 mm
Strip length	0.1 – 50 mm
Pull-off length	0.1 – 30 mm
Break-out length	11 mm or 13 mm (Pro, Ultra)
Break-out length with optional thin grippers	min. 6 mm or 9 mm (Pro, Ultra)
Cycle time	0.35 sec
Trigger	Automatic trigger sensor, touchscreen, foot pedal
Blade	2 linear horizontal blades
Data interface	USB, Ethernet, automation interface (optional)
User interface	5“ color touchpanel
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 × B × H)	418 × 132 × 317 mm
Weight	11 kg
CE-conformity	The Strip Series B300 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 specified range may also be possible. We are happy to evaluate individual solutions on request and can provide processing samples for your wires if required.

Technical specifications subject to change without prior notice.

Processing capabilities

	Cutting to length
	Full stripping
	Partial stripping
	Multistep stripping
	Multicore cable processing

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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
0.03 – 8 mm², 32 – 8 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 Schleungier 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.

AIC 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:
– Self-programming machine with “Teach Mode”
– Quality and monitoring right from the first incision.*
– Continuous production with minimal scrap and fewer stops.*
– Automatic compensation of wire diameter tolerances.*

Benefits
– Once activated, production and stripping quality are consistently high, and waste is significantly reduced.
– Wire intolerances, 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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Core	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	✓ High process reliability across the entire application range
✓ Article library for storing programs	✓ 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)	✓ Processing of multicore cables (with jacket & conductor stripping)
✓ Multiple stripping & regrip	✓ Multiple stripping & regrip	✓ Multiple stripping & regrip	✓ Multiple stripping & regrip
✓ 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	✓ 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.	✓ 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	✓ Automatic detection of the inner conductor to identify contact and damage during the cutting and stripping process
Software upgrade to «Plus»		Software upgrade to «Ultra»	
Ideal for: – High volumes – Few different cable types	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 four variants, optimally designed to meet different requirements.

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