

## 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 have the following new features:

- 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.\*

\* Small incisions, ranging from one to three hundredths of millimeters are possible.

### 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.

AIC  
TECHNOLOGY

ACD  
TECHNOLOGY

Adaptive Incision Control

Automatic Conductor Detection

Unique Quality Monitoring. Combine AIC with ACD to get the full Quality Control.

### 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 Ranges

0.03 – 8 mm<sup>2</sup>, AWG 32 – AWG 8

\* For wire with thin insulation or special insulation the settings for stripping may need to be modified manually.

## ACD (Automatic Conductor Detection)

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.

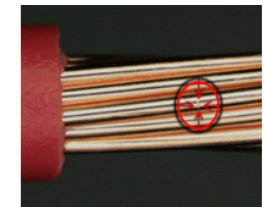
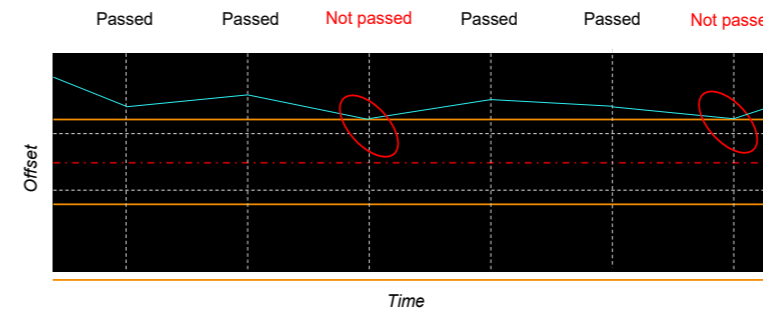
ACD detects and reports even the slightest contact of the inner conductor by a blade. This is a very important monitoring function, especially for difficult cables where the blades must cut and pull-off precisely at the conductor without damaging it.

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 available on 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 (%)

### Full Quality Control by Combining AIC and ACD

- AIC combined with ACD monitoring technology is unique in the market.
- Whereas AIC determines the cutting depth, ACD can be used to monitor the pull-off rate.
- In addition to the default settings (no nicks), user-defined settings for the maximum permissible cutting depth can be specified, if required.
- If ACD is switched on, the machine shows a message when a conductor is touched or the maximum cutting depth is reached.



Intelligent Quality Control for  
High-Precision Applications.