KOENIG & BAUER

Schleuniger

In-line Laser Marking Solution

- Ergonomic laser marking workstation
- Flawless marking with various laser types
- Easy operation with minimal setup requirements
- Ideal for complex marking applications
- Modular system - individually configurable

LASER MARKING

In-line Laser Marking Solution

Concept

Laser marking is one of the fastest marking processes and eliminates the need for consumables such as ink, solvent, and marking foil. The laser beam produces highly precise and reproducible markings and therefore guarantees an above-average end product. Over the long term, laser marking is the most economical solution for marking wires and cables.

For this reason, Schleuniger and Koenig & Bauer Coding GmbH have developed an in-line cutting, stripping, and laser marking solution. It consists of the Koenig & Bauer laser marking solution and one of Schleuniger's latest cut & strip machines. The system is controlled using Schleuniger's CAYMAN cable processing software and the CAYMAN Device Connector extension.

Options

- Numerous feeders
- System table and extension table, linear guide, and cable straightener
- Various coiling and storage systems

Advantages

- High-precision
- Legibility: high resolution, high contrast
- Quick setup
- Low thermal conductivity
- Versatile and durable marking

Special characteristics

Ideal for complex marking applications

Laser marking is perfect for wires and cables that cannot be marked using other methods. The laser beam is used to vaporize, color, or engrave the material. This results in a high contrast mark that is not removable and is resistant to water, chemicals, abrasion, heat, cold, and UV radiation.

Marking versatility

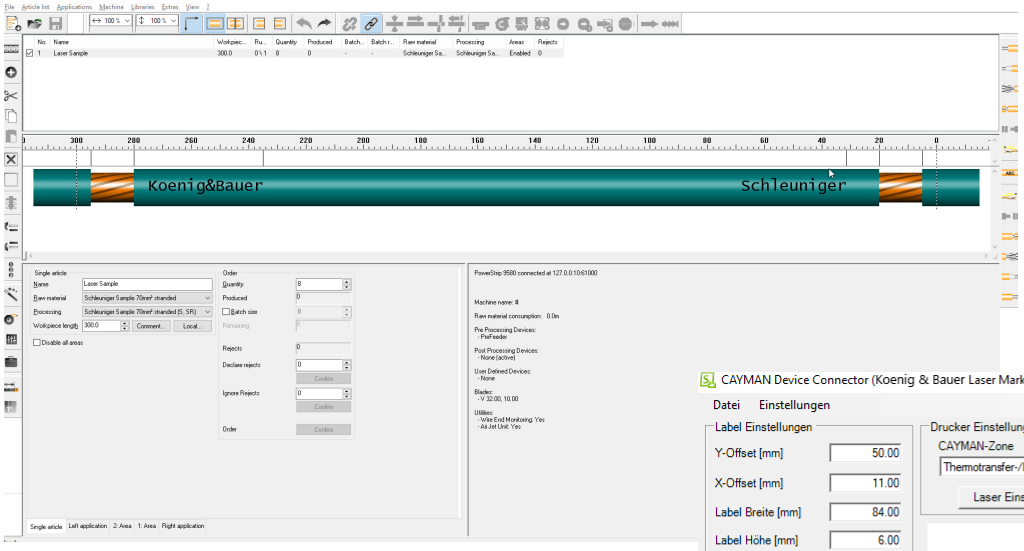
Text, logos, 1D and 2D barcodes, times, dates, and even consecutive serial numbers can be marked all the way along a wire or cable.

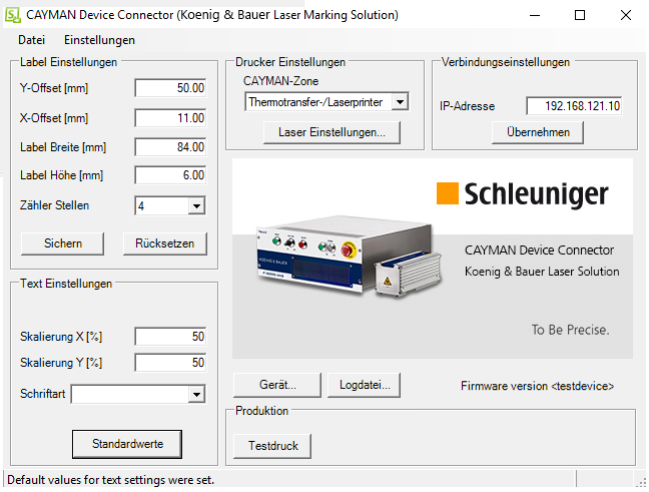
In-line integration for reduced handling and increased efficiency

Incorporating the marking of wires and cables into the cutting, stripping and measurement process as an in-line solution ensures that markings are always placed in the correct position. The cables are positioned and lasered automatically, which prevents placement errors and reduces labor costs.

Programmability

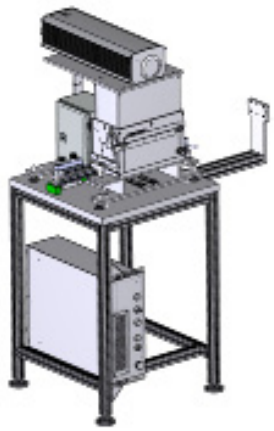
Whole cable lists with all parameters can be stored in Schleuniger's CAYMAN software and retrieved in simple steps.





Example characters

View of complete station



Technical Data	
Raw Material Type	Wires and cables with various insulation types, including Teflon, PVC, PUR, etc.
Raw Material Diameter	3 to 16 mm (0.11 to 0.62")
Marking Types	End, continuous, and others
Workpiece Length	Depending on the model of the cut & strip machine
Machine Compatibility	EcoStrip 9380, MultiStrip 9480, PowerStrip 9550/9580 and MegaStrip 9650/9680
Weight	Workstation: 55 kg (121 lbs.) Laser, incl. controller: 20 to 33 kg (44 to 72 lbs.)
Dimensions (l x w x h)	Workstation: 610 x 600 x 1,407 mm (24.0 x 23.6 x 55.3") Controller: 639 x 489 x 177 mm (25.1 x 19.2 x 6.9") Laser – depending on laser type: 502 - 640 x 115 - 238 x 108 - 235 mm (19.7 - 25.1 x 4.5 - 9.3 x 4.2 - 9.2")
Laser Types	Fiber laser, YAG laser, or green laser
Laser Power	Fiber laser: 20 W, 50 W or 100 W YAG laser: 6 W or 20 W Green laser: 5 W or 1.5 W PS
Marking Field	Fiber laser: 100 x 100 mm or 160 x 160 mm (3.9 x 3.9 or 6.2 x 6.2") YAG laser: 100 x 100 mm or 160 x 160 mm (3.9 x 3.9 or 6.2 x 6.2") Green laser: 100 x 100 mm or 165 x 165 mm (3.9 x 3.9 or 6.4 x 6.4")
Network	TCP/IP
Power Supply	115 – 230 V AC, 50/60 Hz, depending on laser type 250 – 750 V A
Fonts	Arialpro, Crossfree, Hspalver, Hspal, Newmod, Newpal, OCR-A, OCR-B, OCR-B2
1D Codes	Barcode 39 Barcode 2/5 interleave Barcode EAN13 Barcode 128 Barcode EAN128 Barcode UPC-A (= UPC12) Barcode Pharma (= PZN) Barcode EAN8 Barcode UPC-E (= UPC8)
2D Codes	DataMatrix PDF417 QR code Aztec
Important Note	To ensure a high marking quality, all cables must be sampled.

To Be Precise.

Schleuniger AG
Bierigutstrasse 9
CH-3608 Thun
info@schleuniger.ch

Schleuniger GmbH
Raiffeisenstrasse 14
DE-42477 Radevormwald
info@schleuniger.de

Schleuniger, Inc.
87 Colin Drive
Manchester, NH 03103 | USA
sales@schleuniger.com

Schleuniger Japan Co., Ltd.
Higashi-Naganuma 1726-15, Inagi
Tokyo 206-0802 | Japan
sales@schleuniger.co.jp

Schleuniger Trading (Shanghai) Co., Ltd.
108, BH Center, 7755 Zhongchun Rd
Shanghai, 201101 | China
sales@schleuniger.com.cn