



KTB E TWIST SPOT

Electrical Spot
Taping Machine



KTB E TWIST SPOT

Perfect fixing of open ends

Twisted cables need to be fixed at the open ends in order to keep them twisted.

The KTB E Twist Spot electrical spot taping machine was developed by KABATEC to secure such cables. It is based on the tried-and-tested technology of the KTB E PLUS. The KTB E Twist Spot comes into play after the cables have been removed from the fully or semi-automatic twisting machine: The semi-automatic taping machine then fixes the open ends of twisted pair cables by applying a spot tape in accordance with user-defined specifications. This ensures a high degree of safety and quality. The KTB E Twist is the perfect solution for processing even problematic wire cross-sections.

Precise results

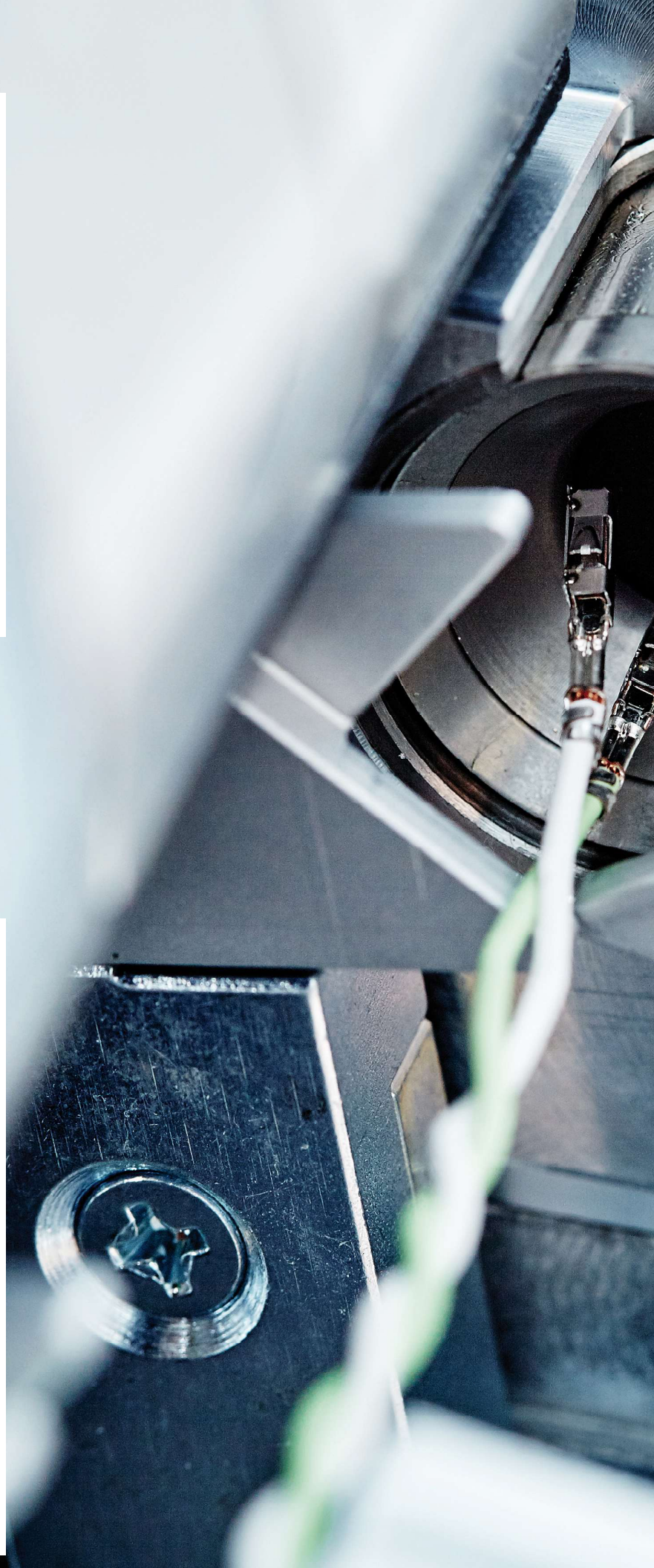
- A sensor detects the crimp and thus guarantees precise positioning of the spot tape.
- The distance between the adhesive tape and the end of the cable or crimp tip can be set to between 33 and 91 millimeters, as required.
- The number of times the tape is wound around the cable is also user-defined.

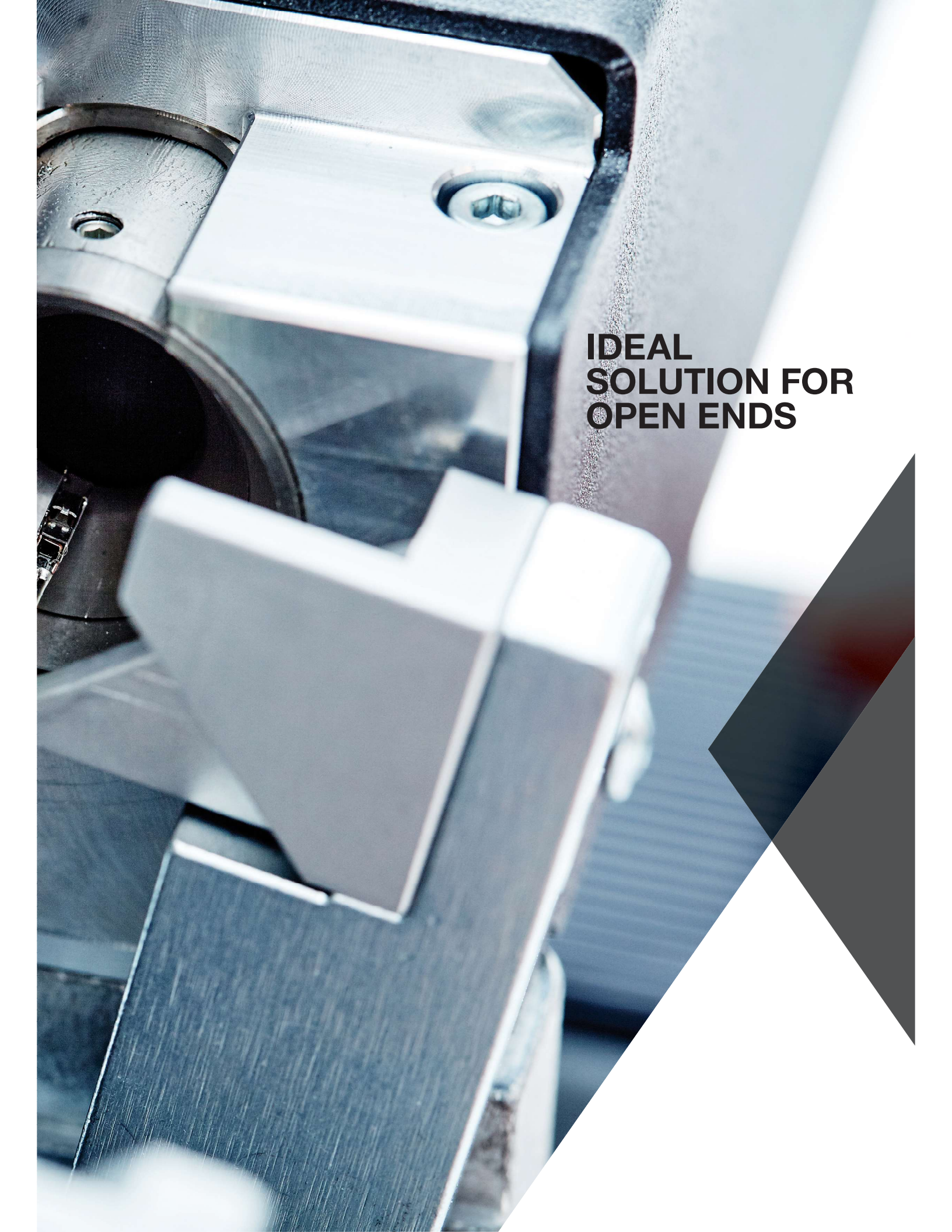
Different adhesive tapes – the same high performance

- An applying roller with an integrated air jet ensures excellent flexibility for applying different types of adhesive tape.
- The air jet can be adjusted as required. It stabilizes thin tapes.

Quick and consistent

- The KTB E Twist Spot is optimized for 9 and 19-millimeter tape widths.
- Saves time when switching from one tape width to another, thanks to quickly replaceable components.
- Additional guide for the 9-millimeter tape ensures uniform processing.



A close-up photograph of a mechanical assembly. A silver-colored metal bracket is mounted on a larger, darker metal structure. The bracket has a circular hole with a screw. Below the bracket, a cylindrical component is visible, with a small metal pin or screw protruding from its side. The background is blurred, showing more of the machinery. A large, dark, triangular graphic element is positioned in the bottom right corner of the image.

**IDEAL
SOLUTION FOR
OPEN ENDS**

VERSATILE AND EFFICIENT



► Up to five different programs can be saved – independently of the upstream process. Processing of twisted cables with an outer diameter of up to 10 mm.



Sensor-controlled positioning

To ensure consistent positioning of the spot tape, the KTB E Twist Spot is equipped with a sensor that automatically detects the ends of the cables or the tip of the crimp. The tape can be applied at freely programmable distances from the end of the cable or from the crimp tip (between 33 and 91 millimeters), as required. This ensures a reproducible and consistently high quality standard – ideal for meeting the requirements of the automotive industry.

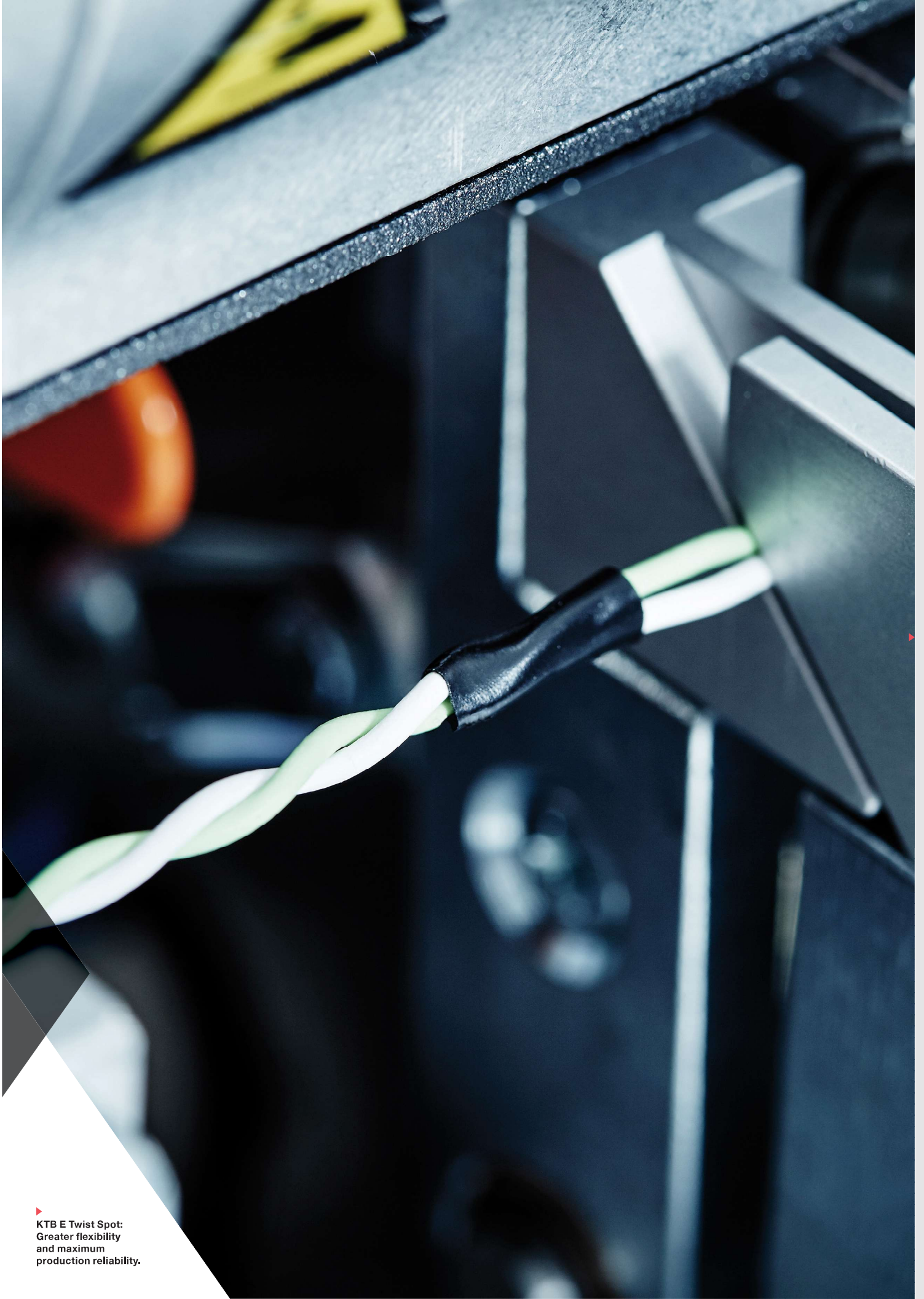
Quick processing, low consumption of material

The KTB E Twist Spot is highly cost effective. The number of times the tape is wound around the cable can be individually programmed and the exact amount of tape required can then be calculated.

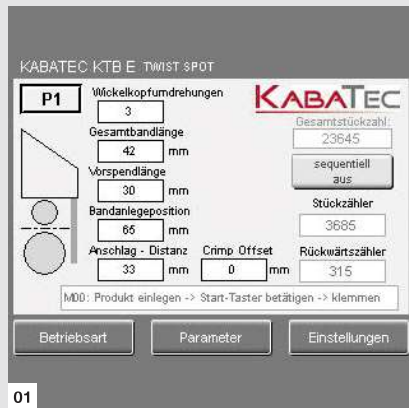
The KTB E Twist Spot is optimized for 9 and 19-millimeter tape widths. The high-quality machine includes an applying roller with an integrated air jet, which ensures excellent processing of the adhesive tape. The air jet prevents the tape from folding back as it is dispensed.

Quality is what counts

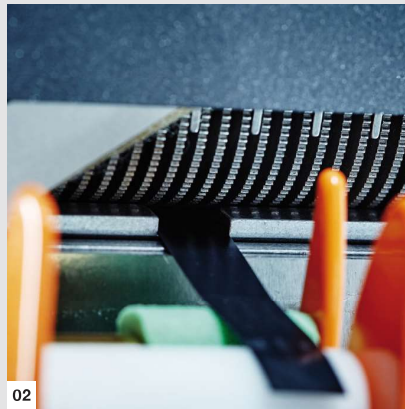
The KTB E Twist Spot can handle many different types of adhesive tape: From heavy fabric tapes to thin PVC films. Here, it is the quality of the cutting blade that makes the difference. KABATEC uses high-quality technology that was developed in-house. This ensures a consistently high-quality cut. A further advantage is the low maintenance frequency of the machine: The KTB E Twist Spot indicates the maintenance intervals in the display.



▶
KTB E Twist Spot:
Greater flexibility
and maximum
production reliability.



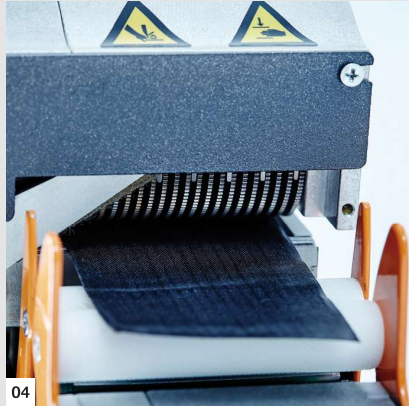
01



02



03



04

01
Easy-to-operate user interface.

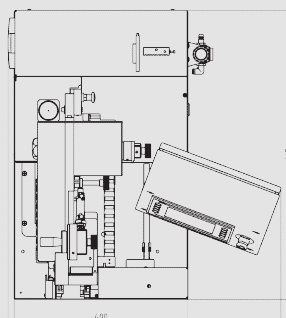
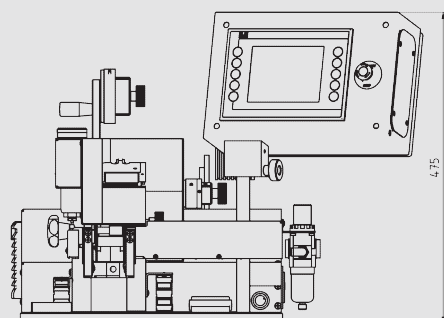
02
An adjustable compressed-air jet prevents the dispensed tape from folding back.

03
Sensors for exact and consistent fixing.

04
Blades made in Burghaun: High level of vertical integration at KABATEC.

Technical data – The KTB E Twist Spot at a glance

Type of use	Fixes the open ends of twisted pair cables
Adhesive tape materials	Feasibility analysis required
Tape width	9 – 19 mm
Core diameter of tape roll	1.5" and 3"
External diameter of tape roll	180 mm
Bundle diameter	2 – 13 mm
Tolerance for tape path	± 4 mm, can be restricted further after feasibility testing
Delta dimension	From start of tape to end of cable or tip of crimp Dimension can be set between 33 and 95 mm*
Connection	Single phase 100 – 240 V, 50/60 Hz, 6 bar compressed air
Dimensions (w x h x d)	400 x 475 x 667 mm
Weight	Approximately 45 kg



* The minimum dimension may be larger depending on the sleeve used.

KABATEC – Bandaging and Bundling Technology

The highest quality standards and innovative products are what make KABATEC the global market leader for bandaging and bundling equipment. Based in Burghaun in Hesse, Germany, the company manufactures fully and semi-automatic machines for dispensing and applying adhesive and non-adhesive tapes. KABATEC creates tailor-made integrated solutions for processing all types of cables and wires for its customers – particularly those in the automotive industry.

Its core business is the development and production of bandaging and bundling machines, as well as special customized systems, which it designs and manufactures in close cooperation with the customer. Innovations, in-depth experience and good intuition regarding global market requirements guarantee outstanding product quality and performance.

Founded in 2008, KABATEC climbed to the top position worldwide within a very short time. The company consolidated its market position further with the integration of Ondal Tape Processing GmbH. KABATEC now has a total of more than 40 years of experience in tape processing. Since 2016, KABATEC has been part of Komax Holding AG, a Swiss concern with development and manufacturing facilities on several continents. As a member of the Komax Group, KABATEC has at its disposal the highly effective global sales and service network which provides local support to Komax customers in more than 60 countries.

40
YEARS
CUTTING
EDGE



Komax's market segments

Komax offers outstanding expertise and solutions for various fields of application. Based on customer requirements, they create the desired added value for the overall process and optimize operating efficiency. Komax's main markets are: Automotive, aerospace, industrial, telecom & datacom. Thanks to this breadth of experience, customers are provided with expert knowledge for process optimization and access to the very latest technology.

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