



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 Komax 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 metal mechanical assembly. A U-shaped metal bracket is mounted onto a larger metal structure using two screws. The metal has a brushed finish. The background is blurred, showing more of the machinery. A large, dark, diagonal graphic element is present in the bottom right corner.

**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.

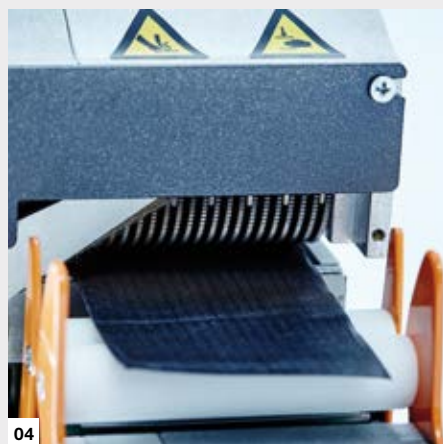
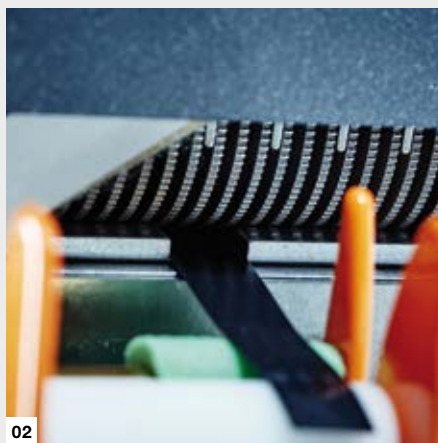
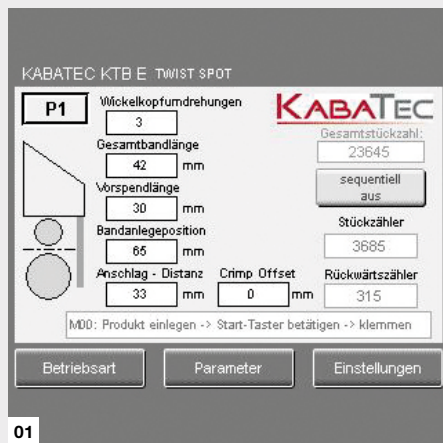
The KTB E Twist Spot is optimized for 9 and 19-millimeter tape widths. The high-quality machine includes an applying roller with an integrated air jet, which ensures excellent processing of the adhesive tape. The air jet prevents the tape from folding back as it is dispensed.

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. Komax 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
Easy-to-operate user interface.

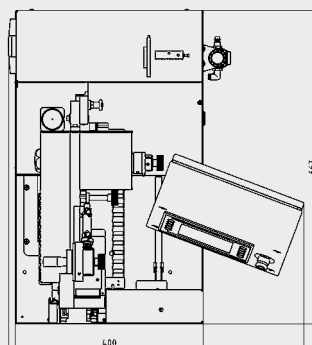
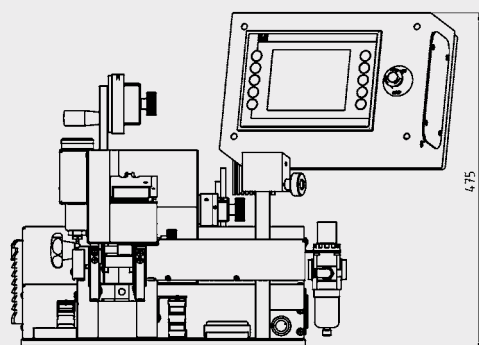
02
An adjustable compressed-air jet prevents the dispensed tape from folding back.

03
Sensors for exact and consistent fixing.

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

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	± 2 mm, possibly different, more detailed information 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 × h × d)	400 × 475 × 667 mm
Weight	Approximately 45 kg



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

Komax – leading the field now and in the future

As a pioneer and market leader in the field of automated wire processing, Komax provides its customers with innovative and sustainable solutions for any situation that calls for precise contact connections. Komax manufactures series and customer-specific machinery for various industries, catering to every degree of automation and customization. Its range of quality tools, test systems, and intelligent networking solutions complete the portfolio, and ensure safe and efficient production.

Komax is a globally active Swiss company with development and production facilities on several continents. Komax uses its extensive distribution and service network, which includes local companies and their employees, to support customers across the world on site, thus ensuring the availability and value of their investments after equipment commissioning through standardized service processes.