



# KTB E9P E19P V2

Automatic benchtop  
bundling machine



## KTB E9P/E19P V2 BENCHTOP

### Perfect results in no time

The global automotive industry demands high quality data cables. That is why reputable suppliers rely on Komax quality to meet the needs of the market. KTB E9P / E19P V2 Benchtop electric bundling machines are among the most tried and tested machines produced by Komax. They have been continuously refined for our customers across the world.

### Tying off twisted cables

KTB E9P / E19P V2 Benchtop machines are distinguished by their extremely short processing times of just 1.8 seconds. Compared to hand tying, these machines reduce production time by over 60%. The intelligent tape pulling system ensures the adhesive tape is processed without tension. The KTB E9P/E19P V2 Benchtop guarantees consistently high quality and is thus the perfect solution for suppliers who manufacture cable harnesses for the automotive industry.



### Flexibility

The KTB E9P / E19P V2 automatic bundling machines can be used universally, and, thanks to their slim design, can be easily integrated into production and assembly lines.

- Thanks to the separate control box, these bundling units can be independently positioned in the production sequence in accordance with customer requirements.
- The product-specific parameters can be easily shown in the display and be defined by the user.

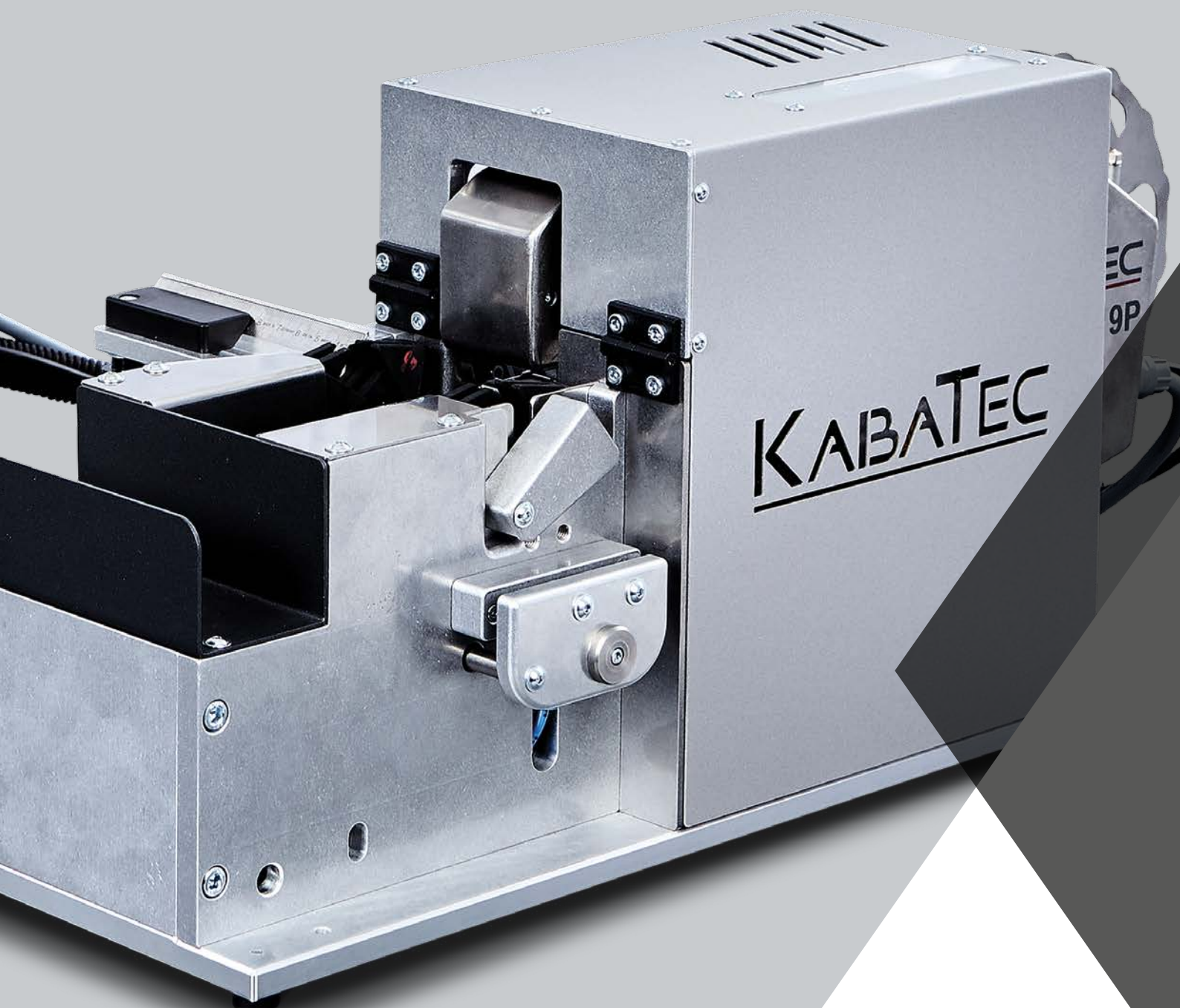
### Quality benefits offered by the KTB E9P/E19P V2

- High level of vertical integration: The durable blades were specially developed by Komax and are manufactured in Burghaun.
- Software and user interface developed by Komax.

- Process-controlled and reproducible quality thanks to a specially developed adhesive tape delivery system.
- Process-safe and precise tying of very small cross-sections using a product-friendly wrapping method.
- Reliable and low-maintenance, thanks to the use of proven components. All components – for example valve terminals and the control of the electronics – are supplied by well-known manufacturers, contributing to the excellent quality of the machine.

### Low maintenance intensity

- Thanks to the quick-release mechanism, the device can be swapped for maintenance purposes in just a few simple steps. This minimizes downtime.
- Automatic display of maintenance intervals. The blade is automatically oiled as well.



▲  
**KTB E9P / E19P V2**  
Benchtop automatic  
bundling machines fix  
and mark both twisted  
and untwisted cables.

# SPEEDILY AND TOP-PERFORMING

The control unit can be installed flexibly  
and therefore fits perfectly into the  
production line



### Constant production quality

KTB E9P/E19P V2 Benchtop automatic bundling machines perform three process steps in the shortest possible time: Dispense tape, cut and wrap the cable.

This starts with the cable being inserted into the gripper. The position of the cable is defined by the stop that has already been set. When one of the two start buttons is pressed, the cable grippers close. The bundling process starts by pressing the second start button.

After the start process, the KTB E9P / E19P V2 Benchtop moves into the winding material and ties the cables according to the customer's specifications. After the cable has been tied off, the grippers open automatically, and the machine is ready for the next tying off process.

### Optional clever details for easy handling

- Automatic system for tensioning the cable.
- The manual stop generates a recurring tying off process.
- Optional rubber grippers protect the surface of the cable.
- Simple handling thanks to two-handed operation.
- Fully automatic, safe process.
- The tape advance pulls the tape off the roll and forms a supply length of tape. This reduces the pull-off forces on the tape.

### Economic benefits

- The consumption of adhesive tape can be calculated precisely thanks to the programmable wrapping.
- High efficiency: up to 60 percent time saving compared to tying off by hand.





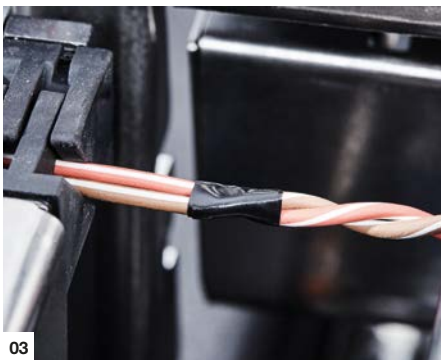
◀ Tailor-made solutions from Komax provide a service to the customer: Due to the large number of different adhesive tapes, cable types and cross-sections, we invite customers to send in a sample so that a feasibility test can be conducted in advance. Komax then delivers the bundler directly with the perfect setting.



01



02



03



04

- 01 Cable is tensioned by the grippers
- 02 Simple and safe handling thanks to two-handed operation
- 03 Repeatability of the wrapping process
- 04 Adjustable stop guarantees accuracy of the ties
- 05 Individual settings of the process parameters



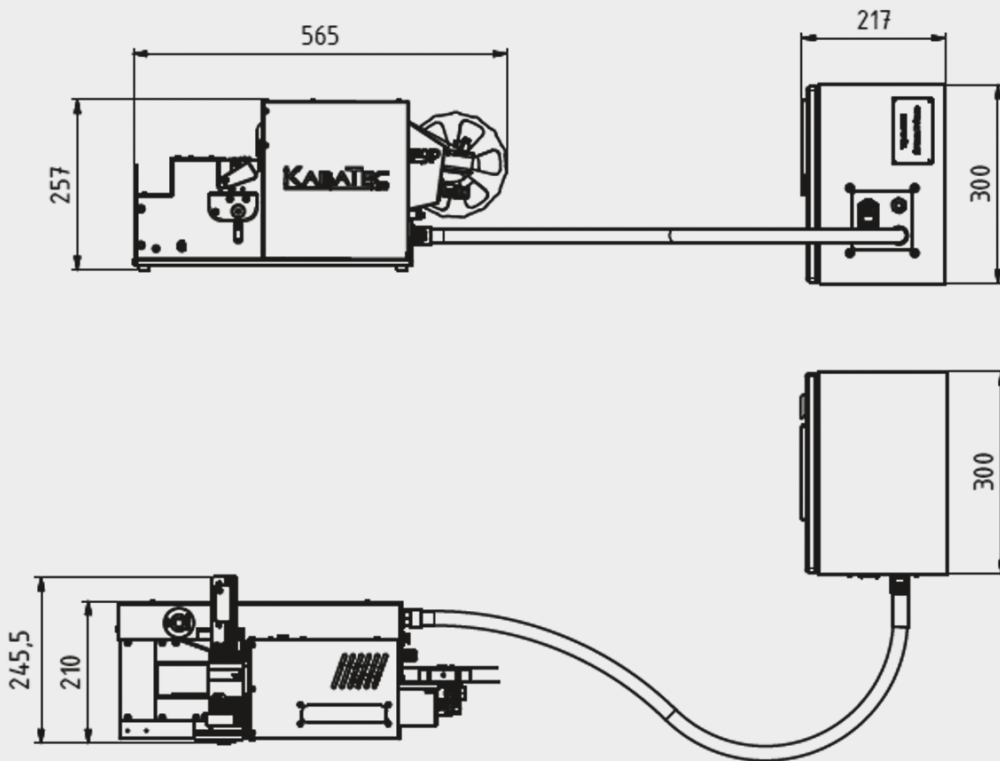
05

**SIEMENS** SIMATIC HMI  
**KABATEC** Parameter set 1 31/12/2000 10:59:3  
 Tape length: +00000 mm program name: 000000000000000  
 Wraps: +00 Cable diameter: 000.0 mm  
 we until claws open: 00000 ms Wraps: 00.00  
 fine until blade open: 00000 ms Tape length correction: +00.0 mm  
 Velocity windinghead: 0000  
 Disable

F1 F2 F3 F4

## Technical data

Application:	Bundling, taping, marking
Weight of table-top device:	approx. 12 kg
Weight of control box:	approx. 9 kg
Bundle diameter:	1.5–11 mm
Tape width:	KTB E9P: 9 mm KTB E19P: 19 mm
Tape materials:	A variety of PVC and fabric tapes. We would be happy to carry out a feasibility study for you.
Connection:	1-phase 100–230V / 50Hz 6 bar compressed air
Dimensions (WxHxD):	
KTB E9P/E19P V2 Benchtop	245.5 x 257 x 565 mm
Control box	300 x 300 x 217 mm



## ALSO AVAILABLE AS A COMPLETE SYSTEM

We would be pleased to offer you the automatic bundling machine as part of a complete system with a robot or on an XYZ traverse. Furthermore, thanks to its special functionality, the automatic bundling machine can be used in any installation position (horizontal, vertical, inclined). In addition, the width of the bundling head on the KTB E9P/E19P V2 Benchtop is only 34 mm, for the reliable bundling of short sections.

## 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.