



KTR 10 CS

Taping machine



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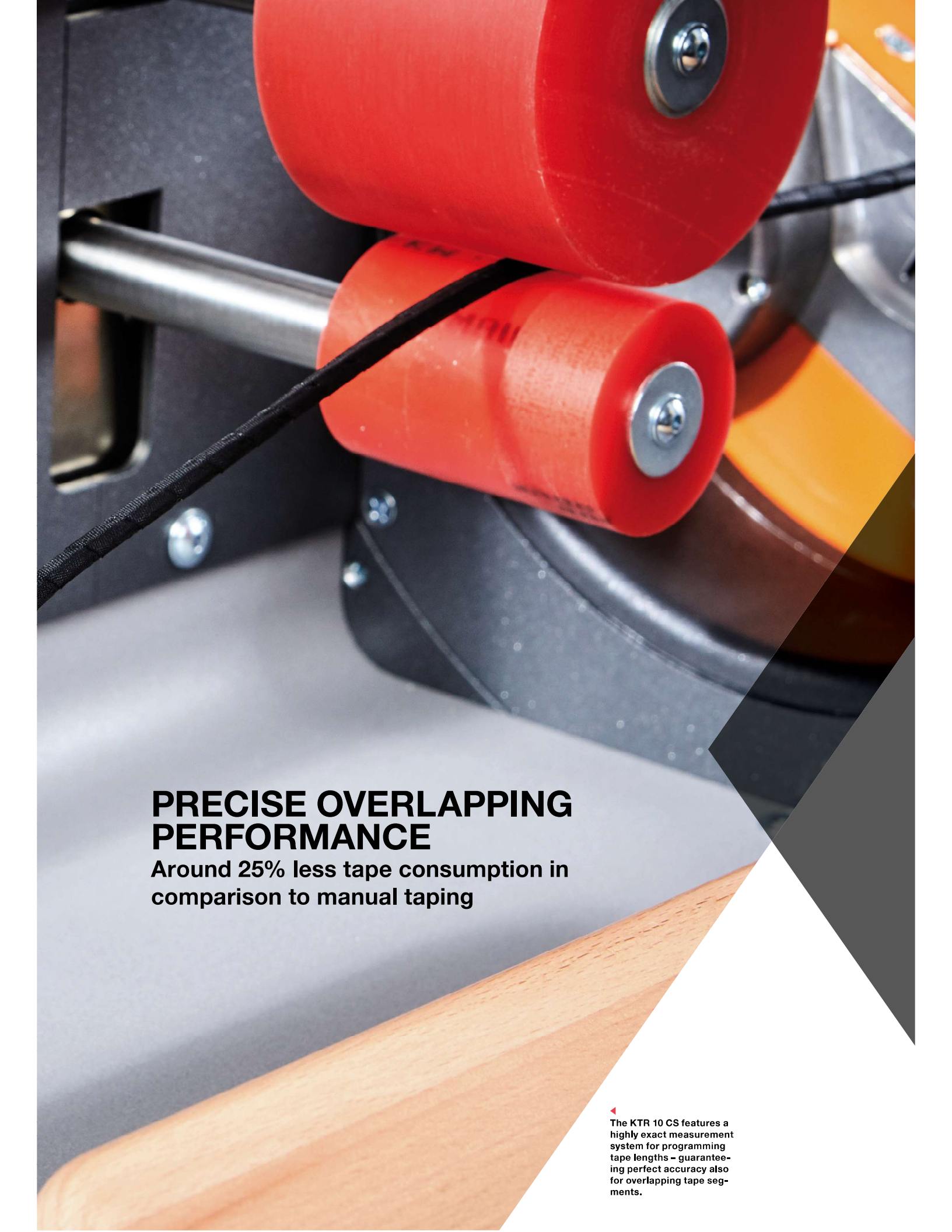
Compact entry-level model

High accuracy, simple handling and customized options: The tabletop taping machine KTR 10 CS (Control System) provides an ideal entry into computer-controlled taping processes. The machine features a combined length measurement and roller feeding system and can store up to 20 different production steps. This allows for highly precise taping in accordance with individual specifications. The high-performance KTR 10 CS delivers high-speed, dependable operation – whether for simple cable harnesses or for more complex door, mirror or roof assemblies.

Its proprietary KABATEC software is designed to provide optimal support for a wide range of customer requirements. For example, multiple user profiles can be set up with different authorizations. Alternatively, the key switch installed in the standard version can be used to modify the programs and settings of the machine. And the 4-inch touch display makes for convenient, easy-to-handle operation. A highly practical feature: A manual mode can be accessed for set-up. This lets operators set the initial taping speed themselves and allows them to react flexibly to changes in the process.

KABATEC can realize a wide range of applications according to customer requirements – various winding table options, tape-end sensor functionality, double taping, and much more. Combining top performance and wide flexibility, KABATEC provides customized high-quality machines to satisfy all customer wishes.



A close-up photograph of a machine's internal components. Two large, bright red rollers are visible, with a black cable passing between them. The machine's frame is dark grey or black, and a wooden handle is visible in the lower-left corner. The image is partially obscured by a large, diagonal white and grey geometric shape on the right side.

PRECISE OVERLAPPING PERFORMANCE

**Around 25% less tape consumption in
comparison to manual taping**

◀ The KTR 10 CS features a highly exact measurement system for programming tape lengths – guaranteeing perfect accuracy also for overlapping tape segments.

COMPACT DESIGN

EASY INTEGRATION IN THE PRODUCTION



01

High precision from the start: Linear guidance ensures exact overlapping, even with short sections.

02

Ideal for long tapes: The KTR 10 CS tapes cable harnesses or sections up to 20 meters in length.

03

The knife integrated in the winding table allows for easy and safe tape cutting at the end of a segment.

04

Whether working with heavy or delicate tapes, bendable cable assemblies can be produced with the tape-pulling unit.

05

Simple testing of new programs through changing of the mode, thus facilitating stepless speed control via foot pedal.

The best choice for getting started

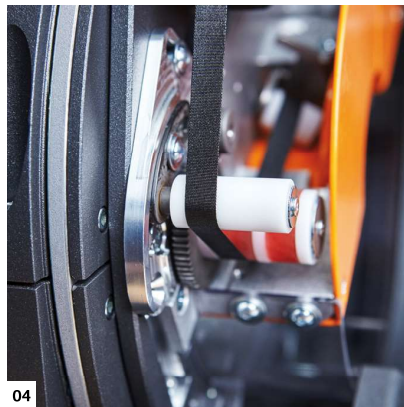
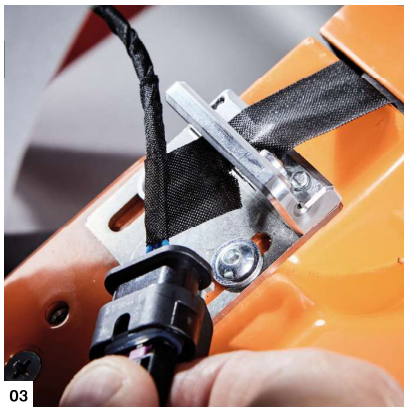
- Compact with multiple applications:
Thanks to its highly compact design, the KTR 10 CS can be easily integrated into any production configuration for cable assemblies.
- The machine can simply be placed on a tabletop.
- Low-maintenance, highly reliable operation.
- The KTR 10 CS provides easy entry into automatic taping processes.

Combined length measurement and roller feed system

- Highly precise taping in accordance with individual requirements.
- The KTR 10 CS delivers highest dimensional accuracy through coupling of linear unit and roller feed together with its integrated measurement roller.
- Whether limited or full taping:
The KTR 10 CS always delivers uniform overlaps.

Computer-supported production

- Up to 200 programs for different cable assemblies and modules can be stored in the machine.
- In addition, 20 different tape segments can be stored.
- Easy operation: The desired program is simply selected via the touch screen.



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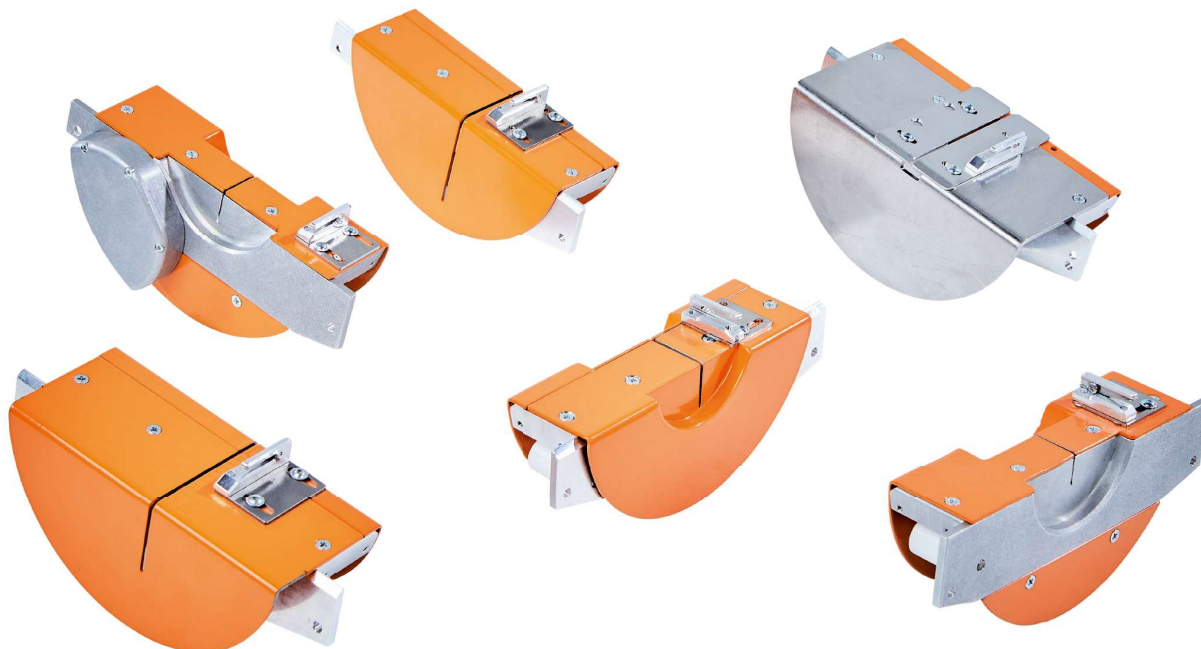
More options for every customer wish

KABATEC has developed and continuously optimized the KTR 10 CS taping machine in close cooperation with long-time customers. In the process, KABATEC has developed numerous solutions to handle individual customer requirements that can be optionally selected as needed.

Wide selection:

Different winding tables

Seven different winding tables are available as standard options. They can be configured depending on the tape width, the distance from the plug end to the starting point for taping and the cable diameter. In addition, KABATEC can provide customized winding table solutions for specific customer requirements.



Double safety:

Shielded cables

Double taping makes it possible to process aluminum and PVC tape simultaneously. Shielded cables can be produced in a single process step.



Higher productivity:

Tape end detection

The optional tape-end detection functionality registers the end of the tape roll before the last piece of tape has been applied to a cable assembly. The machine stops and the roll can be exchanged. Following this, the process can be continued at exactly the point where it was interrupted.

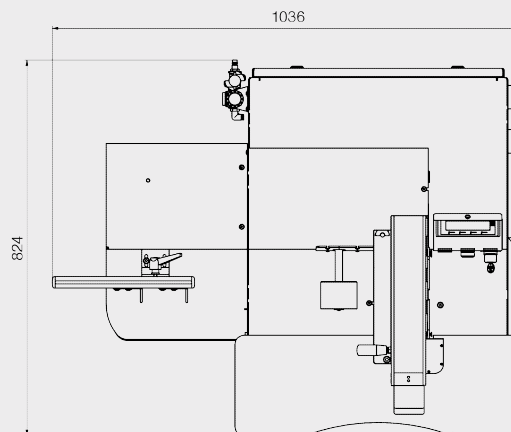
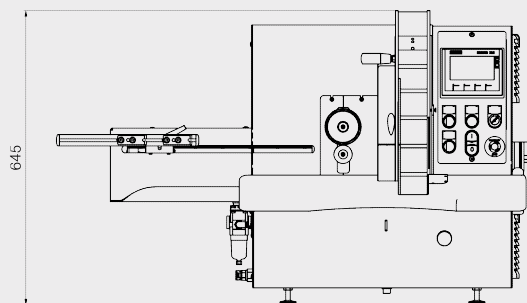


Other individual

applications

Whether it's a customized holder for special cable harnesses, pneumatic pliers for gripping the cable, models with side cover and/or tape pulling assistance – many other options are available for the KTR 10 CS.

KABATEC is happy to provide advice and support for customized applications to ensure perfection to the last detail.



Technical data - The KTR 10 CS

Application	Taping of length-specific harnesses with up to four branches
Tape and harness data	
Cable harness diameter	< 20 mm (Optional: < 35 mm)
Max. taping length	20 m for each step
Deviation of length	Max. -2% / +1%
Tape material	Multitude of automotive and industrial adhesive tapes (optional: Double-taping with non-adhesive aluminium foil)
Tape width	9 – 19 mm (on request <25 mm)
Tape-roll tube diameter	1.5" und 3"
Max. outer tape roll diameter	max. 180 mm
Double Taping 2 × 1.5"	
Tape-roll tube diameter	2 × 1.5"
Max. outer tape roll diameter	125 mm (both)
Double Taping 1 × 1.5" + 1 × 4"	
Tape-roll tube diameter	1 × 1.5" (Tape) + 1 × 4" (Aluminium foil)
Max. outer tape roll diameter	125 mm (Tape) + 210 mm (Aluminium foil)
Machine data	
Speed	100 – 1000 rpm
Feed	Linear and roll feed
Feed rate	0 – 70 mm/rev, programmable
Length of the linear guide	300 mm
Tape end detection	optional (with optical sensor)
Operating voltage	L/N/PE 210 – 240V AC/50-60Hz +-10% (optional: P/N/PE 100 – 120V AC/50-60Hz +-10%)
Pre-fuse max.	16 A (optional 15 A)
Connected load	1500 W
Control voltage	24 V DC
Operating pressure	6 bar (0,6MPa / 87psi)
Dimensions (H × W × D)	645 mm × 1036 mm × 824 mm
Weight	approx. 160 kg

Innovative products and the highest quality standards have made KABATEC the global market leader for taping and bundling technologies. With headquarters in Burghaun in central Germany, the company manufactures semi and fully automatic machines for applying adhesive and non-adhesive tapes. For its customers – in particular from the automobile industry – KABATEC provides customized, full system solutions for processing cables and wiring of all sorts.

The company's core business involves the development and production of taping and bundling machines as well as the planning and realization of special equipment solutions in close cooperation with customers. Innovations, extensive experience and a sure feeling for global market requirements have resulted in products of outstanding quality that are performing exceptionally on the market.

Founded in 2008, KABATEC has achieved its top global position with remarkable speed. Through the integration of Ondal Tape Processing GmbH, KABATEC has further strengthened its market position. The company now looks back on a total of 40 years of experience in the field of tape processing. Since 2016, KABATEC has belonged to the Swiss company Komax Holding AG which develops and manufactures products on several continents. As a company of the Komax Group, KABATEC makes use of its strong global sales and service network through which Komax customers in more than 60 countries are receiving on-site support



Market segments of Komax

Komax provides outstanding expertise and solutions for a wide range of applications. On the basis of customer requirements, Komax creates added value for total processes and optimizes its customers' profitability. The main markets of Komax are: automotive, aerospace, industrial as well as telecom & datacom. With this broad scope of experience, customers receive expert knowledge for process optimization and gain access to the newest technologies.

Kabatec GmbH & Co. KG
Am Grubener Weg 15
D-36151 Burghaun
Phone +49 6652 79362-0
www.kabatec.com
info,bgh@kabatec.com

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