



KTR 10 CS

Taping machine



KTR 10 CS

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 Komax 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.

Komax 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, Komax provides customized high-quality machines to satisfy all customer wishes.





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.



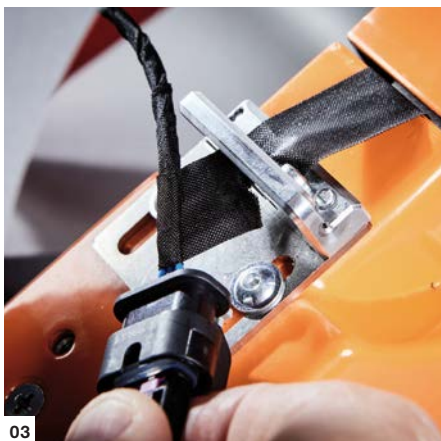
01

Computer-supported production

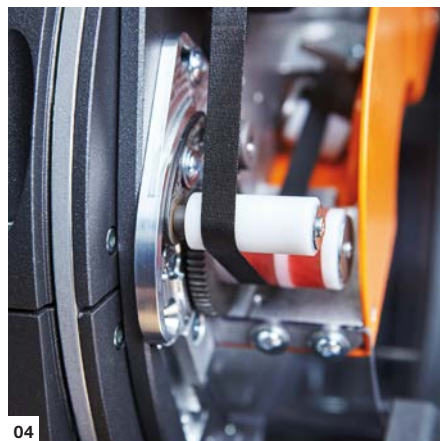
- Up to 200 programs for different cable assemblies and modules can be stored in the machine.
- In addition, 20 different tape segments can be stored.
- Easy operation: The desired program is simply selected via the touch screen.



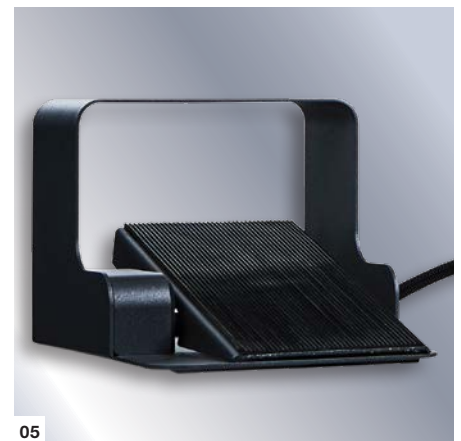
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03



04



05

KTR 10 CS

More options for every customer wish

Komax has developed and continuously optimized the KTR 10 CS taping machine in close cooperation with long-time customers. In the process, Komax 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, Komax 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

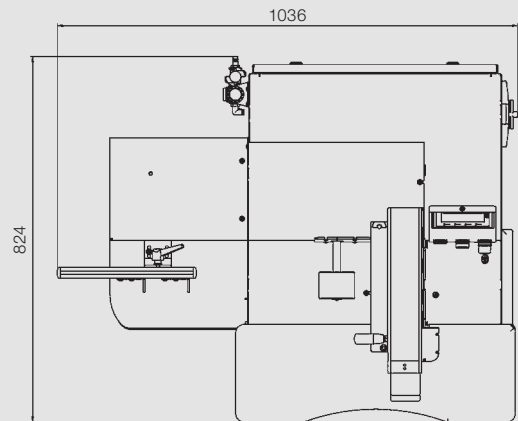
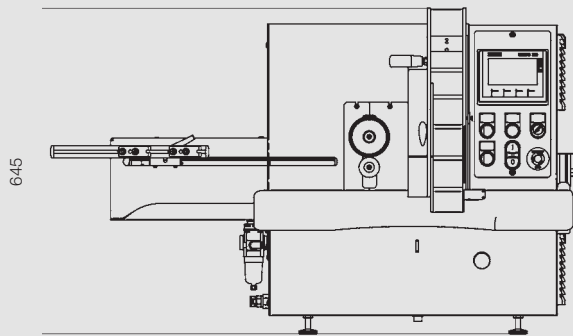
The optional tape-end detection functionality registers the end of the tape roll before the last piece of tape has been applied to a cable assembly. The machine stops and the roll can be exchanged. Following this, the process can be continued at exactly the point where it was interrupted.

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.

Komax 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

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.