



KTR 10

Taping machine



KTR 10

Taping made easier

The KTR 10 is an attractive entry-level model which makes machine taping child's play. The compact and operator-controlled taping machine is ideal for the production of simple wire harnesses without branches or with branches directly on the plug.

Wires and long branches pre-fixed with spot tapes can also be taped quickly and precisely. The length of the tape is not limited – the KTR 10 specializes in processing meter-length wires.

The roller pre-feed can be set from 0 to 70 millimeters per bundling head rotation.

This ensures precise overlapping on request – with minimum operator influence.

The start and end of the windings can be produced by opening the pre-feed. If the pre-feed is set larger than the tape width, a saving tape is produced. The wire harness is wound in a spiral and formed.

Simple, fast and economical: The winding speed of the KTR 10 is two to three times faster compared to hand-guided devices. The low consumption of material is also an advantage: The KTR 10 consumes up to 25 percent less tape than with manual taping. The classic taping device from KABATEC thus guarantees maximum productivity.





INTEGRATED CUTTER FOR FAST PRODUCTION

◀ The KTR 10 dispenses
virtually unlimited
amount of tape and is
ideal for long taping.

COMPACT ENTRY-LEVEL SOLUTION
CAN BE INTEGRATED INTO ANY PRODUCTION SYSTEM
AS A TABLETOP DEVICE



Attractive starter-level model

- Extremely low training required.
- The speed is easily regulated with a foot pedal.
- Low-maintenance and reliable compact machine.

Perfect performance for added product safety

- Maintenance of specified overlap through defined roller pre-feed
- Consistent tape tension and guidance guarantee wrinkle-free taping compared to manual taping.
- A cutter is integrated into the bundling table. The tape does not need to be cut with scissors – this saves time and at the same time prevents injuries on the wire.

Economic advantages

- Low production time: 2 – 3 times faster bundling speed compared to hand-guided devices.
- Up to 25 % material savings compared to manual processing.
- The machine is also optionally available with an open bundling head (without protective cover). This means that longer wire harnesses can be processed even faster.



01

The radial roller pre-feed ensures flexibility: The pre-feed speed can be set simply and exactly using a lever.

02

Perfect speed: The speed is controlled continuously with a foot pedal.

03

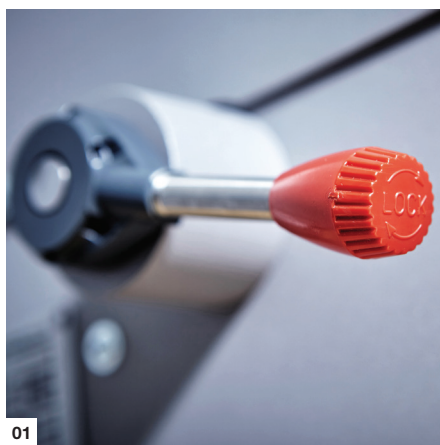
A bundling aid is also available as an option to prevent unwanted twisting.

04

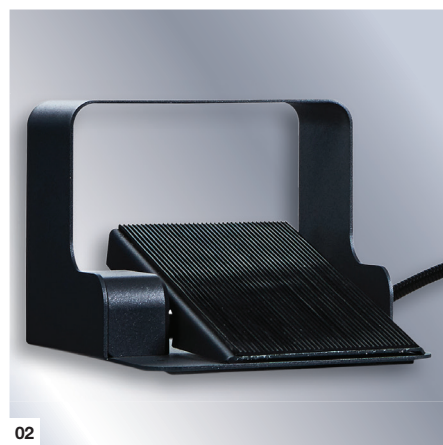
Constricted bundling table for different tape widths. KABATEC offers a wide spectrum of bundling tables.

05

Automatic taping has never been easier with the KTR 10 starter-level model.



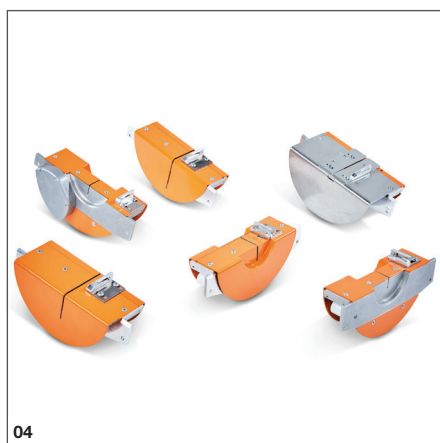
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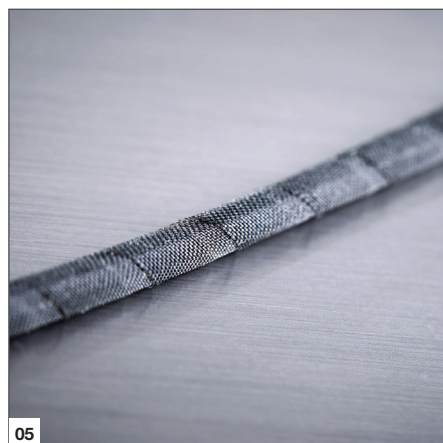
02



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04



05

KTR 10

Additional options as required

At the customer's request, KABATEC produces numerous options for the KTR 10 which improve flexibility and performance safety in wire harness production.

Twinning to perfection: Shielded wires

Double taping allows the simultaneous processing of aluminum and PVC tape for example. This enables shielded wires to be produced with the KTR 10 – in just one single process.

Tape changing advantage: Tape end detection

Before the last layer of tape is applied to the wire harness, the end of the tape is detected. The machine stops. Once the roller has been changed, the process continues from precisely the position where it stopped. One option which guarantees higher productivity.



Multitude of choice: Bundling tables

How close should the tape be to the connector? How wide is the tape? KABATEC offers a wide selection of bundling tables, knowing that customer requirements differ greatly. A total of seven tables are available. In addition, KABATEC also produces customized applications on customer request. The bundling table can be replaced in a few simple steps.

Avoid twisting: Tape pull-off aid

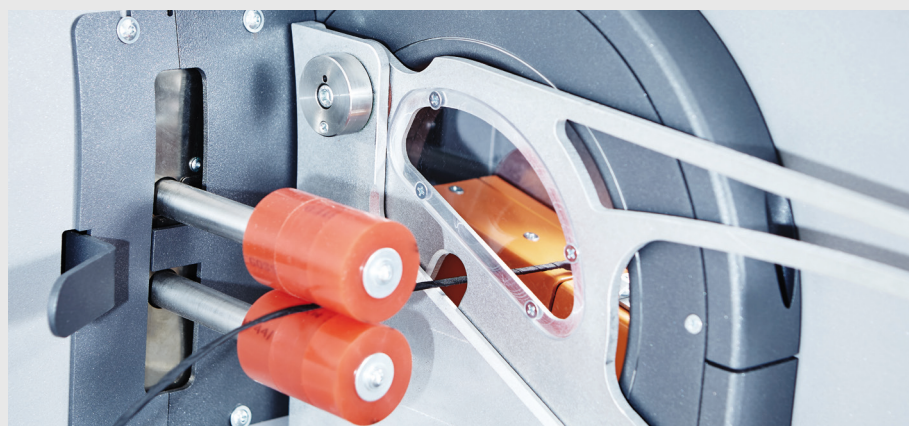
Tapes with high pull-off forces often cause the wires to twist unintentionally. The tape pull-off aid is a mechanism which helps to pull off the tape and minimizes the risk of twisting. The tape pull-off aid can be set individually or deactivated depending on the type of tape used. Another advantage: The tape pull-off aid produces flexible wire harnesses which can be fitted easily.

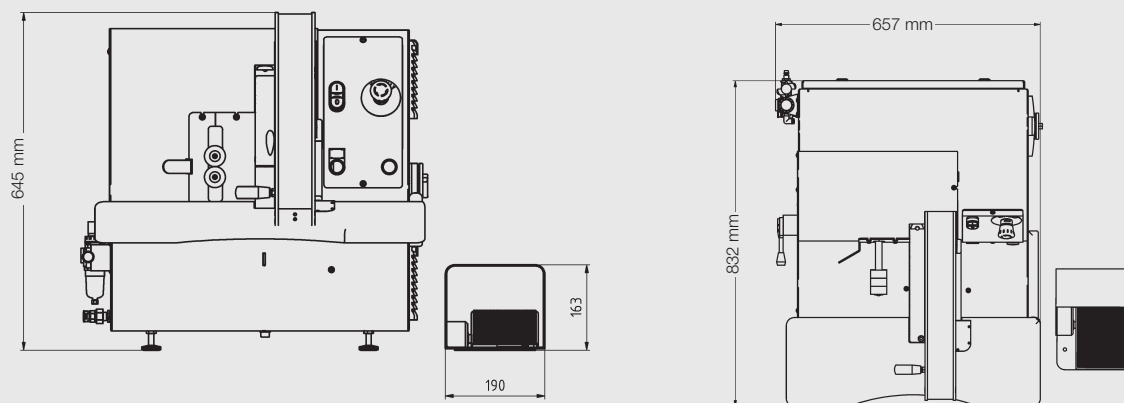
Economical and fast: Easy handling

The KTR 10 can be supplied either with or without a side cover. The version without a side cover allows considerably faster handling. This makes it more economical to produce long wire harnesses.

Safe and easy: Positioning aid

The positioning aid is an option recommended particularly for machines without a safety cover because the wire harness does not need to be pulled in by hand. The positioning aid transports the wire harness with a constant pre-feed rate and this ensures easy handling and a uniform overlapping without operator influence.





Technical data - The KTR 10 at a glance

Application	Taping of simple or pre-fixed wire harnesses with a low number of branches
Adhesive tape and wire harness data	
Wire harness diameter	Virtually all conventional adhesive tapes - feasibility test on request
Max. coiling length	Limited by tape length
Length deviation per bundling step	Max. 180 mm
Adhesive tape materials	Wide range of automotive and industrial tapes (optional: double taping with non-adhesive aluminum tape)
Tape width	9 – 19 mm (on request < 25 mm)
Tape roller core diameter (standard)	1.5" and 3"
Maximum tape roller outer diameter	Max. 180 mm
Double taping 2 x 1.5"	
Tape roller core diameter	2 x 1.5"
Maximum tape roller outer diameter	125 mm (both)
Double taping 1 x 1.5" + 1 x 4"	
Tape roller core diameter	1 x 1.5" (tape) + 1 x 4" (aluminum film)
Maximum tape roller outer diameter	125 mm (tape) + 210 mm (aluminum film)
Machine data	
Bundling head rotational speed	100 – 1000 rpm, speed control continuously via foot pedal incl. bundling head positioning
Pre-feed type	Roller pre-feed
Pre-feed	0 – 70 mm/U, continuously adjustable
Tape end detection	Optional (with optical sensor)
Electric connection	L/N/PE 210 – 240V AC/50 – 60Hz +-10% (optional: L/N/PE 100 – 120V AC/50 – 60Hz +-10%)
Pre-fuse	16 A (optional 15 A)
Connected load	1200 W
Control voltage	24 V DC
Operating pressure	6 bar (0.6 MPa / 87 psi)
Dimensions (HxWxD)	645 x 657 x 832 mm
Weight	145 kg

The highest quality standards and innovative products are what make KABATEC the global market leader for taping 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 taping 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 Group 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 as well as 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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