

Taping machine **KTR 160**



THE PERFECT SOLUTION

Taping cable harnesses and modules; e.g: (door cable harnesses, mirror wiring, battery cable harnesses, roof cable harnesses, etc.). Taping lengths and feed rates can be programmed in individual winding steps and processed in succession, enabling a wide variety of cable harness geometries.

YOUR BENEFITS

Highest process quality and operator safety

- Optimized length measurement and careful transport of wire harness thanks to the innovative belt feed system
- Reproducible taping quality through program control
- New automatic protective cover closed on both sides

Highest productivity

- Two servo drives enable extremely short start and stop times for the winding head
- Freely positionable, pneumatic gripper shortens downtimes and enables differing start positions for the tape
- Automatic start command through closure of the protective cover, no foot pedal
- Rotational speed and overlapping can be changed within a winding step, so no intermediate stop is necessary

Highly user and maintenance-friendly

- Simple operation thanks to easy program import and touchscreen
- Operator-guided taping process with visualization of up to 20 programming steps
- Low-maintenance and reliable machine design

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PROGRAMMING

- Programming via Siemens industrial PC
- User-friendly program structure
- 1000 program lines/program
- Storage and loading of programs to/from company network, internal hard drive, USB stick, etc.
- Scanner for selection of programs and assignment of programs and products
- Programs can be created both on the machine and externally
- Visualization and annotation of winding steps (photos, drawings, work instructions, etc.)
- Conversion from existing programs
- Three different user levels
- Generation of different projection dimensions through programmable gripper
- Calculation program for determination of all relevant process parameters (rotational speed, tape width, feed rate, tape consumption, etc.)

Application	compact machine for cable harnesses with a wide variety of requirements
Tape materials	all conventional adhesive tapes
Tape width	9 – 19 mm
Tape outer diameter	up to 180 mm
Tape core diameter	1.5" and 3"
Rotational speed	100 – 1000 rpm, programmable
Winding head:	closed placed automatically in tape attachment position
Feed rate	0 – 50 mm/rotation, programmable belt-feed
Tape-end detection	contactless
Cable harness diameter	up to 20 mm
Connection	3-phase 230 V / 400V-50 Hz, 6 bar compressed air
Dimensions (WxHxD)	1449 x 1340 x 835 mm
Weight	380 kg

OPTIONS

- Electric adjustment of working height
- Height-adjustable winding table
- Customer-specific winding tables for different taping requirements
- Tape unwinding device (to reduce twisting with small cable diameters)
- Double taping – processing of two sections of tape simultaneously; e.g. aluminum PVC
- Device for processing tapes with carrier films
- Coiler
- Centralized data storage

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