



## Kappa 331

High quality and flexible wire processing

**komax** WIRE



## THE WAY TO MAKE IT | PRECISELY RIGHT

The Kappa 331 is a modular cut and strip machine with a rotating blade module.

Round, multilayered cables – with and without shielding – are precisely stripped in multiple steps. The machine can be changed over quickly, making it ideal for flexible use.

### Area of application

The Kappa 331 automatic cut and strip machine is used for round conductors with a cross section of 0.22 to 35 mm<sup>2</sup> (AWG23–AWG2) and for specific applications up to 50 mm<sup>2</sup>. It performs full and partial pull-off operations on individual layers and strips the outer jackets from jacketed cables with outside diameters of up to 16 mm that are with or without shielding.

The high efficiency results from the flexible configuration possibilities and the short conversion times. The Kappa 331 is ideal for work environments with highly diverse products made in large and small batches. Powerful belt or roller drives transmit forces in an optimum way for the widest various of jackets.

The machine is available as a universal machine with swivel guide or as a universal/coax machine with split guides.



▲ Processing samples of cables with full and partial pull-off

### Use as universal model

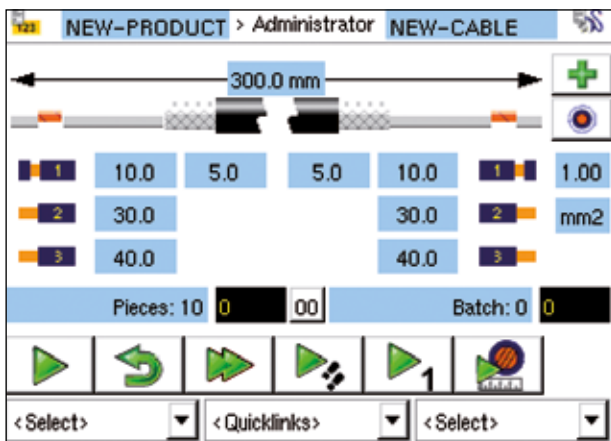
The universal-machine with swivel guide offers the widest range of uses. It allows you to easily program and precisely process short and long stripping lengths and individual wires, jacketed cables, coaxial cables and other multilayered cables. An inkjet marks the cable near the blade to minimize scrap. Numerous options expand the processing range even more, e.g., the slit unit or the feature for processing flat ribbon up to 16 mm.



▲ **Optional split guide on the right**

### Optional split guide on right

The modular machine design allows split guides to be used to the right side of the cutting and stripping unit instead of the fixed guide. The split guide supports the free end of the cable during the stripping process and opens immediately after a full strip to ensure the reliable disposal of the pulled-off insulation. This setup allows access for the further processing of inner cable layers.



▲ **TopTouch Kappa** both intuitive and fast

### Use as universal/coax model

This model is optimized for the precise processing of demanding coaxial and triaxial cables with stripping lengths of up to 60 mm. The highly precise rotating cutting unit, the independent length measurement system and the symmetrical layout of drives and blades combine with the split guides to create optimum conditions for this task.



▲ **Kappa 331** Universal/coax machine with split guide

### Intuitive operation





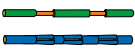






With the TopTouch Kappa user interface, you can program easy and complex stripping tasks with minimal prior knowledge:





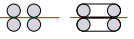
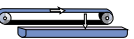


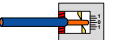
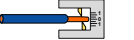

- A single screen page suffices to record the entire product.
- You simply press the “+” key to open predefined product templates.
- The incision values are automatically calculated when you enter the cable cross section.
- The quick links give you fast access to key parameters such as speed, applied pressure, etc.

### Your benefits:

- Broad range of uses
- Great flexibility thanks to the modular design
- Precise multi-step stripping
- Your choice of belt or roller drive for optimum force transmission
- Allows even demanding cables to be stripped without blade changes

## Processing examples

|  |   |
|--|---|
| Cutting to length                                      |  |
| Full stripping   |  |
| Half stripping   |  |
| Multi-step stripping                                   |  |
| Intermediate stripping / slitting                      |  |
| Jacket removal from multi-core cable                   |  |
| Multilayered and shielded cables                       |  |
| Inner conductor processing                             |  |
| Flat cable (optionally available with universal model) |  |
| Cutting pulled strands / executing exact cut           |  |
| Cable length correction                                |  |

|  |   |
|--|---|
| Hot stamp marking                              |  |
| Inkjet marking                                 |  |
| Coiling / binding                              |  |
| Sequence / parts lists                         |  |
| Wire draw-in (roller/belt)                     |  |
| Wire deposit system                            |  |
| Pulling prefeeder / Dereeling prefeeder        |  |
| Batch separation                               |  |
| Sensors: Conductor/cable detectors (universal) |  |
| Sensors: Conductor detector (universal/coax)   |  |
| Networking                                     |  |

## Technical data for the Kappa 331

| Use                       | Universal   | Universal/coax  |
|---------------------------|---|---|
| Conductor cross section * | 0.22 mm <sup>2</sup> –35 mm <sup>2</sup> (AWG23–AWG2)                                 |   |
| Max. outside diameter     | 16 mm (0.63 in)   |   |
| Length range              | 1 mm–800 000 mm (0.039 in–875 yd)   |   |
| Length accuracy           | Repeat accuracy ±(0.2% +1 mm (0.04 in))   |   |
| Max. stripping lengths    | Full strip<br>Side 1: 180 mm (7.09 in)<br>Side 2: 50 mm (1.97 in)                     | Full strip<br>Side 1: 60 mm (2.36 in)<br>Side 2: 60 mm (2.36 in)                  |
|                           | Semi/multiple strip-off<br>Side 1: 999.9 mm (39.37 in)<br>Side 2: 999.9 mm (39.37 in) | Semi/multiple strip-off<br>Side 1: 999.9 mm (39.37 in)<br>Side 2: 60 mm (2.36 in) |
| Max. wire transport speed | 4.0 m/s (157.5 in/s)  |   |
| Quantity range            | 1–99 999  |   |
| Drive system              | Double-roller or belt drive   |   |
| Wire guide                | Side 1: Swivel guide<br>Side 2: Fixed guide/optional split                            | Side 1: Split guide<br>Side 2: Split guide  |
| Electrical connection     | 115/230 VAC ± 10%   50/60 Hz   680 VA   |   |
| Compressed air connection | 5–8 bar (73–116 psi)  |   |
| Air consumption           | < 10 liter per minute   |   |
| Dimensions (W×H×D)        | 870 mm×380 mm×670 mm (34 in×15 in×26 in)  |   |
| Weight                    | About 100 kg (220 pounds)   |   |
| EU Conformity             | Complies with the EU directives on machine safety and electromagnetic compatibility   |   |
| RoHS                      | Complies with the Restriction of Hazardous Substances Directive, RoHS                 |   |

\* Many wires outside the indicated cross section range may be able to be processed on the Kappa 331. Extremely hard and tough wires may not be able to be processed even though they are within the above cross section range. If you are in doubt about your wires, we are happy to process samples of them.

For more information about our product:



[www.komaxwire.com](http://www.komaxwire.com)

Komax Wire is a division of Komax Holding AG, Switzerland.