



KAPPA 330

cut and strip



KAPPA 330

The Kappa 330 convinces with its wide processing spectrum. It is available as Single Head or Dual Head, whereby the Single Head can be converted to a Dual Head. Two blade variants are available simultaneously as Dual Heads. With optional slitting unit, inner conductor and ribbon cable processing, the Kappa 330 is perfect for customers who want to process a wide range of cables.

Single head with versatile processing range

- Cutting to length and stripping from 0.22 – 35 mm² (AWG 24 – 2) cables.
- Processing of cable cross-sections up to 35 mm², multipole conductors up to Ø 16 mm (0.63 in.). Even short cables or ribbon cables up to 40 mm (1.6 in.) wide can be processed without any problems.
- Innovative sensor technology as set-up aid and process monitoring.

Dual head for even more productivity

- The dual-head version of the Kappa 330 has a double-blade stripping unit.
- With the double-blade stripping unit, various special knives can be used simultaneously for cutting and stripping.
- Particularly challenging wires can be processed quickly and precisely using special blades.
- Together with further options, the dual-head Kappa 330 offers three processing steps in one pass.

Optional separating unit

- Several (also twisted) inner conductors can be separated quickly and gently - without loss of quality.
- Using the patented Komax roller system, the wires are pressed apart in a particularly gentle way.
- The forward and reverse function of the rolls allow even short wires to be processed with ease.

Optional slitting unit

- programmable depth adjustment
- fully controllable via touch operation
- high benefit





**THE VERSATILE
ALL-ROUNDER**
FOR CUT AND STRIP

D7

MODULAR AND FLEXIBLE FOR CHALLENGING CONDUCTORS



Efficient and productive

The Kappa 330 machine is distinguished by its cutting force, high volume output and advanced sensor technology. The simple and intuitive operation makes it extremely efficient.

Field of application

All the machines in the Kappa product family boast an extremely broad processing spectrum.

The flexible operation and controls allow you to set up even difficult-to-process materials quickly and easily. The changeover to new types of wires is tool-free and therefore extremely fast.

Sensor technology

Thanks to the automatic wire diameter and cross-section detection, new wire materials can be set up and parameterized at the push of a button. This unique measuring principle reduces the time-consuming set-up to an absolute minimum. The optical cable detector also makes cut losses a thing of the past. The same sensor continuously monitors the processing during production, enabling wire ends and transport errors to be recognized as early as possible.

Peripherals and interfaces

Integration of wire feeder systems, printers, active deposit units and much more is standardized and therefore extremely easy. Particular attention has been paid to the integration and control of the inkjet and laser marking systems. Data backup, software updates and the import of CSV product data are all carried out via a USB stick.

TopWin Kappa – enhanced capabilities

The TopWin Kappa operating software enhances the capabilities and functionality of Kappa machines via a clear-to-use PC user interface. This controls among other things the inkjet or laser printing in multiple positions, mirror printing, double-sided labeling of preprinted wires, including logo marking and much more.

Perfectly networked

TopWin Kappa can be easily integrated into networks via the WPCS interface, including existing user networks, for example. The production-control room software also enables centralized data management, production control and production monitoring.



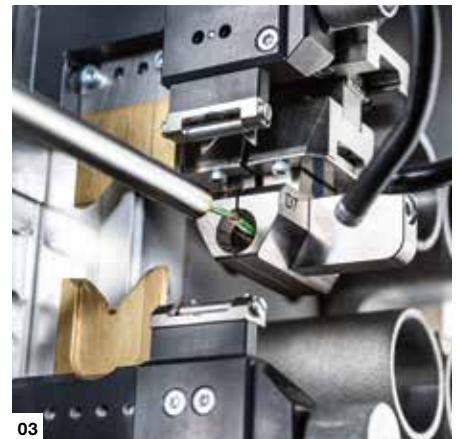
- 01 Single Head (standard)
- 02 Dual Head with special blades
- 03 Dual Head with core separation



01






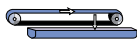


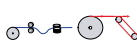














02



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Processing examples and functions

Cutting to length		Double sheath cable processing		Wire feed (Roller/Belt)	
Full stripping		Flat cable processing		Wire deposit system	
Half stripping		Cutting pulled strands / Zero cut		Pulling / Dereeling prefeeder	
Multi-step stripping		Hot stamp marking		Batch separation	
Center stripping / Intermediate slitting		Inkjet marking		Sensors: Conductor Cable detector	
Multi-conductor cable processing		Coiling / Binding		Wire length correction	
Core processing		Sequence processing		Networking (Manufacturing execution system, WPCS, MIKO)	



Technical data

	Kappa 330 SH	Kappa 330 DH
Wire cross-section, stranded wires*	0.22 – 35 mm ² AWG24 – 2	0.22 – 35 mm ² AWG24 – 2
Max. outside diameter	16 mm (0.63 in.)	16 mm (0.63 in.)
Length accuracy	Repeat accuracy ±(0.2%+1 mm (0.04 in.))	Repeat accuracy ±(0.2%+1 mm (0.04 in.))
Flat wire processing	Optional 40 mm (1.6 in.)	Optional 40 mm (1.6 in.)
Wire length range		
Max. wire transport speed	4.0 m/s (157.5 in./s)	4.0 m/s (157.5 in./s)
Max. stripping lengths, full strip	Side 1: 180 mm (7.09 in.) Side 2: 50 mm (1.97 in.)	Seite 1: 180 mm (7.09 in.) Seite 2: 50 mm (1.97 in.)
Max. stripping lengths, partial strip	Side 1: 999.9 mm (39.37 in.) Side 2: 999.9 mm (39.37 in.)	Side 1: 999.9 mm (39.37 in.) Side 2: 999.9 mm (39.37 in.)
Max. stripping lengths, semi strip	Side 1: 999.9 mm (39.37 in.) Side 2: 999.9 mm (39.37 in.)	Side 1: 999.9 mm (39.37 in.) Side 2: 999.9 mm (39.37 in.)
Intermediate stripping	Programmable (no limitations in terms of number and length)	Programmable (no limitations in terms of number and length)
Optional inner conductor separation	No	Yes
Upgrade to dual head	Yes	
Optional fully programmable slitting module	Yes	Yes
Automatic conductor detector (Conductor detector) (automatic detection of cut depth)	Optional	Optional
Cable detector (Cable detector) (queue, end and slip monitoring, zero-cut optimization, outside diameter measurement)	Optional	Optional
Wire end detection	–	–
Length cut system	Optional	Optional
Straightening unit	Optional (external)	Optional (external)
IOCS interface (expandable)	3 (6)	3 (6)
USB/ethernet	Standard	Standard
Noise level	<70 dBA	<70 dBA
Drive system	Double roller or belt drive	Double roller or belt drive
Production table	Optional	Optional
Electrical connection	110/230 VAC ±10% 50/60 Hz 520 VA	110/230 VAC ±10% 50/60 Hz 520 VA
Pneumatic connection	5–8 bar (73–116 psi)	5–8 bar (73–116 psi)
Dimensions (W×H×D)	650×380×690 mm (25.6×15×27.2 in.)	650×380×690 mm (25.6×15×27.2 in.)
Weight	approx. 55 kg (121.2 lb)	approx. 60 kg (132.3 lb)

* Kappa machines can process many conductors outside the indicated cross-section range, but certain extremely hard, tough wires may not be able to be processed, even if they are within the indicated cross-section range. If in doubt, we are happy to provide you with samples of your wires.

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.



Market segments

Komax offers outstanding competence and solutions for various areas of application and draws on them to generate the desired value-added for the entire process and optimize economic efficiency in line with customer requirements. The main markets of Komax are as follows: automotive, aerospace, industrial and telecom & datacom. With this breadth of experience, customers obtain expert knowledge for process optimization and access to the latest technologies.

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YEARS
CUTTING
EDGE

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