



Kappa 310

Kappa 320

Kappa 321



Kappa 330



Kappa 350 with integrated production table



Laser sensors for cable detection



Induction and slitting unit



Standardized interfaces on rear panel of machine

Cutting to length and stripping Kappa 310/320/321/330/350

Power, performance and a new type of sensors are the three key features of the fully automatic Kappa cutting and stripping machines. Simple, intuitive controls allow these machines to be used efficiently in daily operation.

Area of application

All machine types in the Kappa product family are compelling in the extremely broad range of processing they cover. Thanks to the simple, flexible controls, even difficult to process materials can be set up quickly and easily. The changeover to new types of cables can be done without tools so it is ultra-fast.

Sensors

The conductor diameter and cross section are automatically detected by a sensor, so new cable material can be set up and parameterized at the press of a button. Setup used to be extremely time-consuming. This unique measuring approach reduces this procedure to an absolute mini-

mum. Thanks to the optical cable detector, cut losses are also a thing of the past. The same sensor continuously monitors processing during production. The end of the cable or stripping errors are detected at the earliest possible point in time.

Flexible and user friendly

TopTouch is an intuitive touch screen user software modeled on the TopWin structure found in automatic crimping machines. With the integrated user prompts, Kappas are extremely easy to operate.

Periphery and interfaces

The integration of wire feeding systems, markers, deposition units, and other peripheral devices is standardized and easy. Up to six peripheral devices can be controlled parallel to the main system depending on the machine model. Data backup and updates are handled over a USB stick.

TopWin Kappa

TopWin Kappa expands the capabilities and functions of the fully automatic Kappa cutting and stripping machines. The PC-based control software allows inkjet marking, sequence production, and part list processing. New products and wires can be defined or modified in TopWin while production is going on.

Networking

As an option, the TopWin Kappa can be integrated in a network through the WPCS interface, allowing simple connection to an existing customer network, for example. Central data management, product control and production monitoring are further capabilities available with Komax networking solutions.

Kappa 310

The Kappa 310 is an ultra-compact and reasonably priced high-speed machine. It is designed for the reliable controlled processing of the finest wire sizes from 0.02mm² to 6mm². All process parameters can be saved along with applied pressure values.

Kappa 320

This machine features a number of options and a powerful blade head. Wire sizes from 0.05 to 10mm² fall under its processing capacity. From this machine type and higher, all fully automatic cutting and stripping machines can be controlled and networked via TopWin software to allow inkjet marking.

Kappa 321

The real standout feature of the Kappa 321 is the new patented swivel technique utilized in the wire drive axes. Two different processing positions can be approached with this feature. The machine is designed for a wide variety of special applications or the separation and processing of inside wires in multi-pole cables.

Kappa 330

This model is designed for processing cables with a cross section of up to 35mm², multi-core conductors with an outside diameter of up to 16mm or flat cables with a width of up to 40mm. The machine uses either a belt drive or various types of drive rollers depending on the customer's requirements.

Kappa 350

This powerhouse with its double-blade design is built for processing round conductors with a cross section of up to 120mm² and a maximum outside diameter of up to 35mm. The powerful belt drive ensures gentle processing across the entire cross section range. The elimination of initial cut losses makes an especially big difference in this model for the top of the cross section range.

Benefits you are certain to gain

- **Broader processing range with a diversity of options and solutions**
- **Innovative sensors to aid in setup and to monitor processing**
- **Intuitive, flexible and simple touch-screen operation**
- **Simple integration of upstream and downstream equipment**
- **TopWin for connecting inkjet, part list production and network solutions**



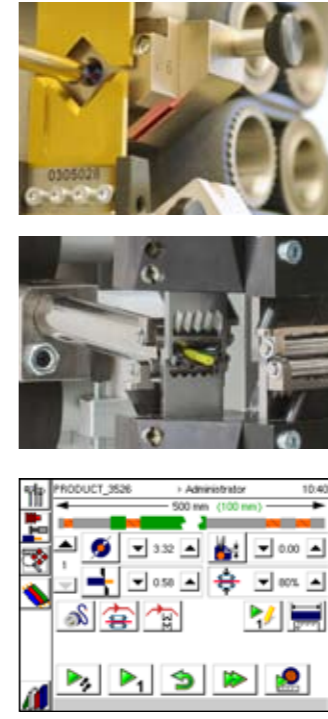
Kappa line: Kappa 350 with ads 123 feed system and dps 375 deposit system.

	Kappa 310	Kappa 320	Komax 321	Kappa 330	Kappa 350
Querschnitt Cross section	0.02-6mm ² AWG34-10	0.05-10mm ² AWG30-7	0.05-10mm ² AWG30-7	0.22-35mm ² AWG24-2	2.5-120mm ² AWG14-5/0
Ablängen Cutting					
Abisolieren mit Vollabzug Full strip					
Abisolieren mit Halbabzug Half strip					
Abisolieren in mehreren Schritten Multiple strip					
Flachkabel Flat cable					
Stanzen Notching					
Mehrdrahtige Kabel Multi conductor cable					
Innenleiter Verarbeitung Inner conductor processing					
Doppelmantel- / Koax- und Triaxkabel Double sheath / Coaxial and triaxial cables					
Zwischenschlitzen / Zwischenisolieren Intermediate slitting / Intermediate strip					
Prefeeder / Abroller Prefeeder / Dereeler					
Heissprägedrucken Hot stamp marking					
Tintenstrahlbedrucken Ink-Jet marking					
Kabeleinzug Wire infeed					
Kabelablagensystem Wire deposit system					
Wickeln / Abbinden Coiling / binding					
Abisolierüberwachung Strip check					
Kabellängenkorrektur Wire length correction					
Sequenz Sequence					
Losgrössentrennung Batch separation					
Vernetzung Networking					

Technical data

	Kappa 310	Kappa 320	Kappa 321	Kappa 330	Kappa 350
Cable cross section, stranded wires*	0.02-6mm ² AWG34-AWG10	0.05-10mm ² AWG30-AWG7	0.05-10mm ² AWG30-AWG7	0.22-35mm ² AWG24-AWG2	2.5-120mm ² AWG14-AWG5/0
Maximum outside diameter	10mm (0.4in.)	10mm (0.4in.)	12mm (0.47in.)	16mm (0.63in.)	35mm (1.38in.)
Length accuracy	Repeat accuracy ±(0.2%+1mm (0.04in.))	Repeat accuracy ±(0.2%+1mm (0.04in.))	Repeat accuracy ±(0.2%+1mm (0.04in.))	Repeat accuracy ±(0.2%+1mm (0.04in.))	Repeat accuracy ±(0.2%+1mm (0.04in.))
Flat cable processing	Optional 8mm (0.32in.)	Optional 12mm (0.47in.)	Optional 12mm (0.47in.)	Optional 40mm (1.6in.)	-
Cable length range	1mm-700,000mm (0.039in.-765.53yd.)				
Maximum wire transport speed	4.0m/s (157.5in./s)	4.0m/s (157.5in./s)	4.0m/s (157.5in./s)	4.0m/s (157.5in./s)	4.8m/s (189in./s)
Maximum stripping lengths	Seite 1: 100mm (3.94in.) Seite 2: 40mm (1.57in.)	Seite 1: 100mm (3.94in.) Seite 2: 40mm (1.57in.)	Seite 1: 100mm (3.94in.) Seite 2: 40mm (1.57in.)	Seite 1: 180mm (7.09in.) Seite 2: 50mm (1.97in.)	Seite 1: 290mm (11.42in.) Seite 2: 150mm (5.9in.)
Intermediate stripping	Semi strip Seite 1: 999.9mm (39.37in.) Seite 2: 999.9mm (39.37in.)	Multiple pull-off Seite 1: 999.9mm (39.37in.) Seite 2: 999.9mm (39.37in.)			
Quantity x max. length					
Cable detector <small>(cable detection, anti-slip monitoring, zero cut optimization, outside diameter measuring)</small>	Optional	Optional	Optional	Optional	Standard
Automatic conductor diameter sensor (Conductor detector) <small>(automatic detection of cut depth)</small>	Optional	Optional	Optional	Optional	Standard
Straightening unit	Optional (internal)	Optional (external)	Optional (external)	Optional (external)	Optional (external)
IOCS interfaces (expandable)	2 (4)	2 (4)	2 (4)	3 (6)	3 (6)
USB	Standard	Standard	Standard	Standard	Standard
Noise level	<70dBA	<70dBA	<70dBA	<70dBA	<70dBA
Drive system	Single roller	Single roller	Single roller	Double roller drive or belt drive	Belt drive
Production table	Optional	Optional	Optional	Optional	Standard
Electrical connection	110/230VAC ±10% 50/60Hz 300VA	110/230VAC ±10% 50/60Hz 300VA	110/230VAC ±10% 50/60Hz 300VA	110/230VAC ±10% 50/60Hz 520VA	110/230VAC ±10% 50/60Hz 1.2kVA
Pneumatic connection	Optional for blade cleaning 465x385x480mm (18.3x15.2x18.1in.)	Optional for blade cleaning 510x380x470mm (20x15x18.5in.)	Optional for blade cleaning 510x380x470mm (20x15x18.5in.)	5-8bar (73-116psi)	5-8bar (73-116psi)
Dimensions (WxHxD)	25kg (55lb)	34kg (75lb)	42kg (93lb)	approx. 55kg (117.4lb)	approx. 270kg (723.4lb)
Weight					

* The Kappa generations can process many conductors outside the indicated cross section range. Certain extremely hard, tough wires may not be able to be processed even if they are within the indicated cross section range. In case of doubt, we are happy to produce samples of your wires.



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CS: Kappa 310-350 0306030 Version 1 Subject to change / gu

