

Products

kappa 240 - Flexibility, performance, convenience

The kappa 240 redefines large gauge wire processing, with top value for the money clearly the operative phrase.

The key issues are the broad application range as well as the ease of use and short conversion time.

Scope of application

The basic machine cuts and strips or unsheathes wires with cross sections up to approx. 35mm²; and multi-core cables with outside diameters of up to approx. 15mm. If the optional cutting head is installed, the processing range is extended to allow the system to process wires with cross sections of 2,5 to 95mm²; or with outside diameters as large as 30mm.

Thanks to a powerful three-phase stepping motor, the double roller drive reliably exerts pressure to the wire being processed at the required force level.

The user interface is a proven performer. Programming and saving all the data is very easy, so wires only have to be programmed once. And to keep conversion time to a minimum, all guide parts are designed to be changed without tools.

Technology

The programmable stripping head swivels, permitting the same V blades to be used over the entire processing range. Stranded wires up to 35mm² in size and multi-core cables with outside diameters up to 15mm are cut directly by the stripping blades.

Larger diameters and cross sections up to 95mm²; can be cut with the optional, pneumatic 10kN cutting head. The cutting head uses V blades of the same type as those in the stripping head.

The kappa 240 has no trouble accommodating larger stripping lengths either, up to 999,9mm on both sides. In these cases, the wire insulation is slit on one side by the slitting head (optional) and cut into by the stripping blades. As a result, the insulation remains on the wire, keeping it safe from damage until further processing commences.

The kappa 240 is highly accurate in terms of length and repetition. To ensure that the toughest length accuracy requirements can be met on even thick, soft wires, komax offers another option, a length measurement system. It is fitted with an encoder that makes all the needed corrections. Its use is recommended with the slitting unit and is required with ink-jet marking, in order to synchronize length measurement with the ink-jet encoder.

Operations

The durable kappa 240 production table (optional) sets new standards in operating convenience. All guide parts and tools can be tucked away in the table drawer. The table also has a funnel-shaped duct through which insulation scraps fall directly into the waste cart below for easy disposal.

The komax 280 deposit system deposits wires up to 3.5m in length and with outside diameters as large as 30mm. In the smaller komax 270 version, this system has performed very well on previous models of the kappa machines.

Accessories

Included in the delivery are a set of guide parts as selected by the customer and the specified drive rollers. The guide parts range from 4 to 32mm; feed rollers available in steel, knurled and as elastomer models.

Wire guidance is a crucial factor with the wire gages the kappa 240



Overall view of kappa 240 with production table



kappa 240 on production table, with komax 280 wire deposit system and de-reeler RA 800/300



processes. The RA 800/300 wire de-reeler is just the system for the task. Even larger systems are available on request.

Options

- Pneumatic cutting head, for cutting wires with cross sections of 2,5 to 95mm² and outside diameters of up to 30mm
- Slitting unit, for stripping lengths up to 999.9mm on both wire ends
- Separate length measurement system
- Production table, complete with drawer, plus funnel and cart for insulation scraps
- komax 280 wire deposit system
- PC software under Win 9x/ Win NT4.0 (starting with the first quarter of 2000)
- Ink-jet marking (starting with the first quarter of 2000)

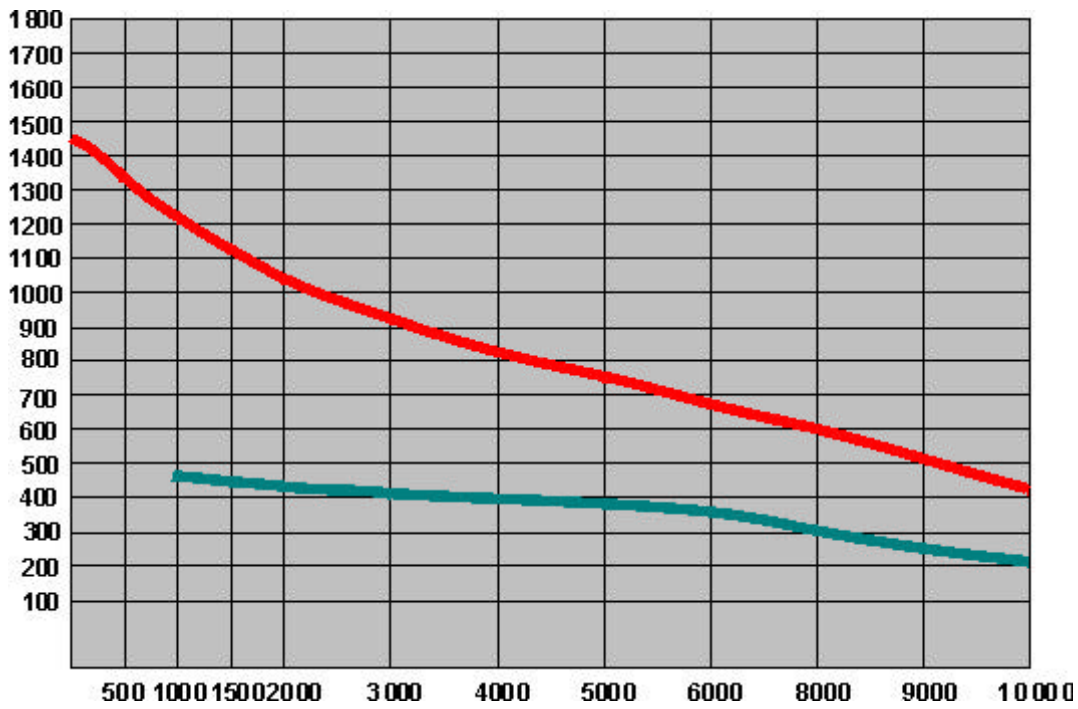
Your benefit

- Broad processing range
- Extremely short conversion times that make even the smallest batches economically feasible
- Options for flexible system expansion
- Simple and straightforward operation with LCDs, the same approach used through out the kappa family
- Extensive range of accessories, including feed units, PC software, ink-jet/hot-stamp marking and wire deposit systems
- Reliable top quality components for trouble-free operation

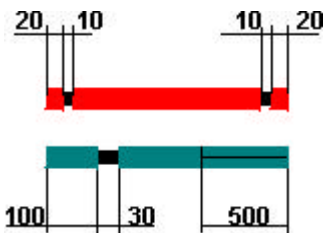
Technical data:

Wire cross sections:*	Stranded wires: 2,5 – 35mm ² , with optional cutting head up to 95mm ² , AWG 14 – 3/0 Many wires larger than 95mm ² can be processed with the kappa 240. By the same token, if wires are extremely hard and tough, they sometimes not be able to be processed even if they are within the above size range. In case of doubt, we are glad to produce samples with your wires.
Outside diameter:	max. 15mm, with optional cutting head 30mm
Length range:	233mm + stripping lengths up to 99,99m (+/- 0,2% or 1mm, depending on wire length)
Stripping lengths:	Side 1: -265mm with full pull-off -999,9mm with partial pull-off, multiple cuts or slitting Side 2: -208mm with full pull-off -999,9mm with partial pull-off, multiple cuts or slitting
Intermediate slitting:	At up to 4 positions with max. 999,9mm slitting length each
Pull-off length:	Side 1: 280mm Side 2: 223mm
Electrical connections: (switchable)	115/230V – 50/60Hz 1,2kVA
Weight:	198kg
Dimensions (W&loz;H&loz;D):	103 ◊ 57 ◊ 79cm

Pieces/h



Wire length (mm)



Wire 1:
stranded wire with 35mm \leq ; H07V-K, partial pull-off 20/10mm on both ends,
no swivelling of stripping head, without cutting head

Wire 2:
wire GD 5 \leq ;6mm²,
side 1 slitting 500mm,
side 2 partial pull-off 100/30mm, swivelling of stripping head, with cutting head