Gamma 263 S

Functionality, reliability and efficiency all packed into a tiny space

komax WIRE

THE WAY TO MAKE IT | AFFORDABLE

Sturdy and compact, this fully automatic crimping machine has well-engineered technology that delivers a high level of process control. These traits make it a reliable and attractively priced wire processing partner for the automotive sector.

Area of application

The Gamma 263 S is designed for one and two-sided crimping and for one-sided seal loading (side 1). The new wire transport system ensures gentle processing of varying conductors with cross sections ranging from 0.13 mm² to 2.5 mm² (AWG26–AWG12).

Cross sections of up to 4 mm² can be processed on request.
The new belt drive plus the reliable swivel system with optional hold-up device and a stainless steel tipping tray enable the careful and best possible processing of your cable material.

▲ **Gamma 263 S** with stainless steel tipping tray

Technology

The entire cross section area is processed quickly and reliably with programmable, highly dynamic AC servo drives.
A second integrated encoder ensures maximum length and repeat accuracy for stripping and wire length.

Compact and user friendly

The compact, straightforward design ensures optimum accessibility to the processing stations from all sides. All users can work ergonomically and with an excellent overview thanks to the extra low machine table.
With the quick opening function for the cover, the modules can be accessed more quickly.
The TopWin user interface can be conveniently operated from the optional touch screen. Operators can be working productively after the briefest training thanks to the readily understandable and logical structure of TopWin.


▲ **Operable** from optional touch screen

Sturdy and reliable

The robust design has been specially created for operation in the highly demanding production settings in the automotive industry.

Stable processing and increased accuracy are ensured by the reliable swivel system with linear lowering function, the optional hold-up device and a robust belt drive.

Tough encoders made of metal plus extra-strong dampers allow the machine to produce reliably 24 hours a day, seven days a week.
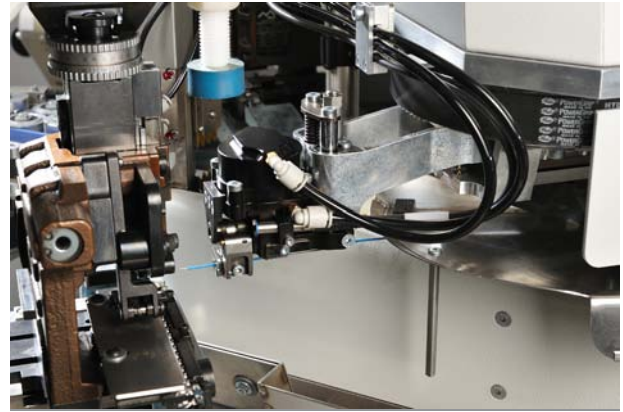

▲ **Reliable swivel unit** for Gamma 263 S

Economical thanks to carefully designed wear parts

A new design for wear parts minimizes machine downtime. The guide parts are reinforced with ceramic, so they have to be exchanged only rarely. In addition, they are designed in a way that renders incorrect installation impossible when they are replaced. That means installation is quick and uncomplicated.

The belts in the belt drive are durable and can simply be turned around if need be. This feature increases the service life.
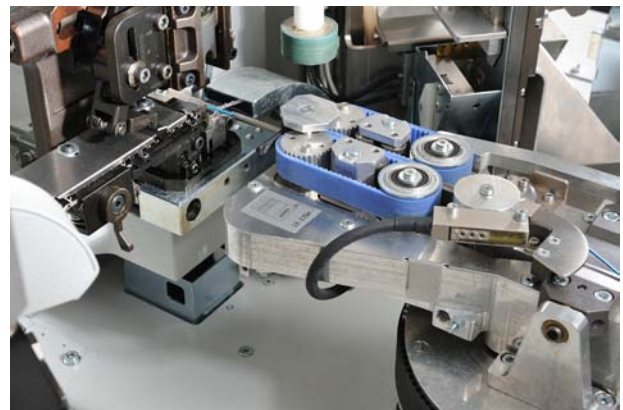
▲ **New design for wear parts** Belt drive

Reliable crimp technology and quality system

The tried-and-tested mci 712 and mci 722 crimp presses ensure optimum quality for crimped connections.

The reliable Komax quality monitoring systems such as crimp height measurement, pull-out force measurement, CFA/CFA+ crimp force analysis and the microscope can be seamlessly integrated.

Your benefits
- Big output rate yet quite low investment costs for fully automatic wire processing
- Compact and user friendly with tiny footprint
- Ideal combination of process control, reliability and efficiency
- Processing that is gentle on conductors thanks to belt drive and stainless steel deposit unit
- Optimized wear parts design

Processing examples for the Gamma 263 S

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Cutting to length		Double stroke function for closed contacts	
Stripping with half strip		Double jacket cables	
Stripping with full strip		Cutting pulled strands / executing exact cut	
Intermediate stripping / intermediate slitting		Hot stamp marking	
Crimping		Ink-jet marking	
Seal loading			

Options and accessories

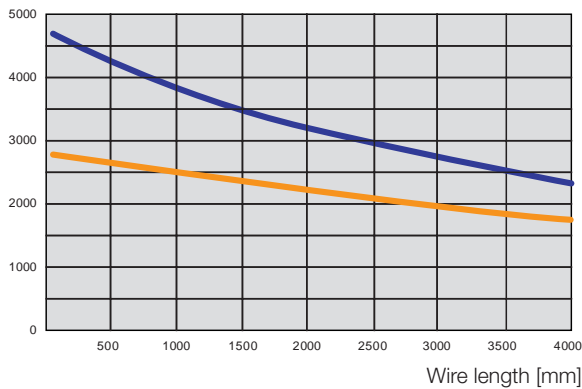|	
Automatic delivery systems	Prefeeder with belt and roller drive
Marking systems	Komax 26 hot stamp marker | IMS Komax ink-jet marking system
Wire draw-in	Belt drive
Process modules	mci 712 crimping module | mci 722 crimping module (with programmable crimp height) | mci 765 C seal loading module (with SPM seal position monitoring)
Quality control	Integrated crimp height measurement | integrated pull-out force measurement | microscope | CFA/CFA+ crimp force analysis | cable length correction | splice detection
Deposit systems	Basic module 2 m (78.7 in) or 4 m (157.5 in) | Extension module 2 m (78.7 in) or 4 m (157.5 in) | Automatic batch size sorting
Accessories	Bar code scanner | quick-change tooling system | Software: WPCS networking interface | TopConvert data conversion | Komax CAO control center | tower light | magnifying glass | UPS

Machine layout for the Gamma 263 S

3593 mm (141.5 in)

1070 mm (42 in)
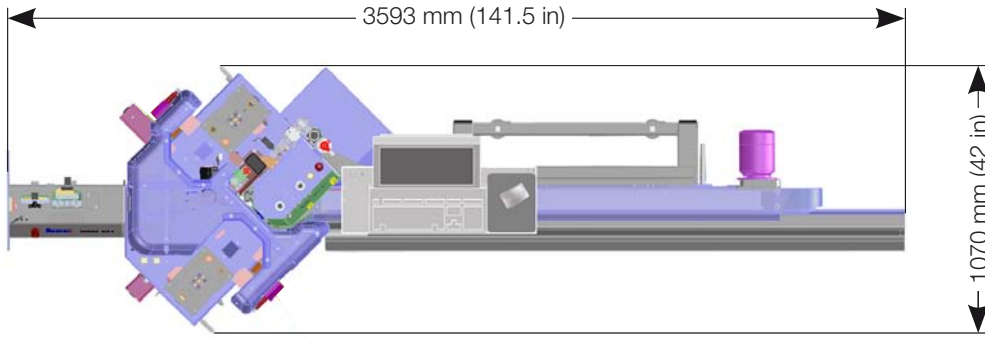
Height with cover closed: 1610 mm (63.4 in)
Height with cover open: 2430 mm (95.7 in)
Width with terminal reel: 1181mm (46.5in.)

Reference values for output rates of Gamma 263 S*

Pieces [pc/h]

Wire length [mm]

Conductor	AVSS 0.50 mm² (AWG18)
Pneumatic pressure	6 bar (87 psi)
Speed	100 %
Acceleration	100 %
Crimping module	mci 712
Crimp force analysis	active
Seal loading module	mci 765 C
Seal position monitoring	active

* Information provided without guarantee and depending on material being processed

Technical data

Length range	40 mm−20,000 mm (1.75 in−65.62 ft)
Length accuracy	Repeat accuracy: ±(0.2 % + 1.0 mm (0.04 in))
Stripping lengths	0.1 mm−20 mm (0.004 in−0.79 in)
Stripping lengths with partial strip	1 mm−20 mm (0.04 in−1.18 in)
Wire cross-sections	0.13 mm²−2.5 mm²** (AWG26−AWG13)
Wire draw-in speed	max. 6 m/s (19.7 ft/s)
Noise level	<75 dB (no crimp module)
Electrical connection	3×208−400 V | 50−60 Hz; 2500 VA
Pneumatic system	5−8 bar (73−116 psi) | 5.8 m³/h (204.8 ft³/h)
Weight	approx. 870 kg (1918 lb)

** On request, many conductors outside the indicated cross section range can be processed on the Gamma 263 S (up to a cross section of at most 4 mm²). 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

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