mci 712 / mci 722

Reliable, functional crimp modules

komax WIRE

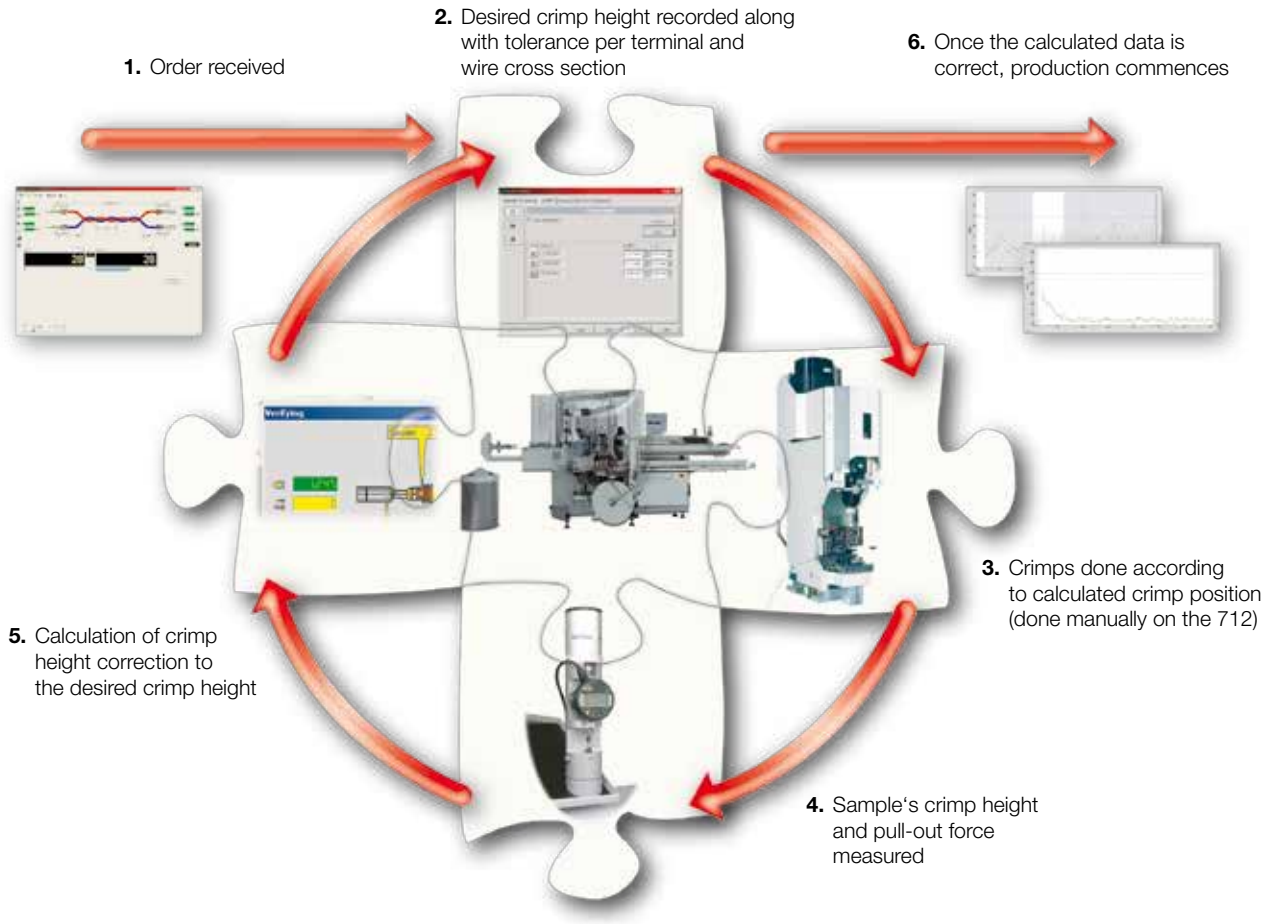
THE WAY TO MAKE IT | EFFICIENT

The two crimp modules mci 712 and mci 722 are synonymous with perfection in wire-terminal connections. When mounted on Komax fully automatic wire processing machines and combined with integrated quality monitoring devices, these modules produce crimps of excellent quality.
Then there ist the simplicity – all module settings are programmable and completely integrated into the user software on the basic Komax machine.
As a result, setup times are shorter, rejects are reduced and daily outputs are boosted.

Area of application

With a maximum crimping force of 20kN, continuously adjustable speed and a split cycle function which can be activated at any time, these devices can process most commercially available terminals. The terminals are taken from carrier strips in open and closed versions of up to 6mm^2 and processed into top quality crimps. Appropriate tool fixtures allow an extremely wide variety of applicators to be used.

Integrated quality processes



Technology

With its programmed crimp heights, the mci 722 crimp module reduces conversion times by up to 15%. The multifunctional AC servo-drive sets new standards in positioning accuracy. A built-in linear measurement system allows the fine positioning of the module carriage in increments of 0.01 mm. Sequential processing of different cross sections can be carried out with no cycle time losses.
The mci 712 crimping module has a fixed shut height and is powered by a robust asynchronous motor.

User friendly

All module adjustments can be entered easily from the TopWin user interface in any one of 20 different languages. The crimp module automatically takes over already saved crimp data or data transmitted by the customer.
The creep speed and single cycle function for setting up the applicators are activated directly from the sealed keyboard on the module.
Ultra-fast and convenient conversion is assured by the quick-clamping fixture for the tool and ready accessibility to the inside of the device.

Your benefits

- Integrated quality process with the basic machine
- Bigger daily output thanks to shorter setup times
- Ultra-easy operations
- Integrated crimp force analysis with force/travel recording
- High degree of process control
- Conversion times with mci 722 reduced by 15%
- Precise and intelligent drive and measuring system
- Integrated interfaces for accessories

Quality monitoring

The integrated crimp force analyzer with CFA or CFA+ assures ultra-precise good/bad crimp detection with detailed records on errors. The CFA measures the force and travel of the tappet directly in the process through the adapter and its integrated sensors.

The optimum processing parameters can be evaluated with CFA + quick and easy. Even the smallest contacts are thus reliably monitored.
Every single crimp module undergoes a thorough final test, before being delivered to the customer.

Options and accessories

Options	Terminal strip chopper | Airfeedset | Pressure regulator set | Terminal end detection
Accessories	Crimp module analyzer: CFA/CFA+ unit for crimp modules

Technical data

	mci 712	**mci 722**
Programmable crimp height	No	Yes
Range	–	+0.2 mm / -0.8 mm (+0.008 in. / -0.03 in.)
Accuracy	–	0.01 mm (0.0004 in.)
Max. crimp force	20 kN (4500 lbf)	
Wire cross section	0.08 –6 mm² (AWG 28 – AWG 10)	
Programmable stroke	10 – 40 mm (0.39 – 1.57 in.)	
Cycle time 0–270°	approx. 200 ms	
Crimp force analysis	CFA/CFA+	
Mains voltage	From 1 × 230 V 50/60 Hz up to 3 × 480 V 50/60 Hz	
Communication	MCI (RS 485)	
Dimensions (W×H×D)	200 × 950 × 525 mm (8.66 × 37.4 × 20.67 in.)	
Weight	96 kg (211 lb)	

More information about our products:

www.komaxwire.com

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

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MO. mci 712 & mci 722