



C1370 C1340

crimp module

komax

MAXIMUM PRODUCTIVITY DUE TO SHORTEST CONVERSION TIMES

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The C1370 and C1340 crimp modules guarantee the shortest changeover times on the latest fully automatic wire processing machines from Komax. Cables are positioned directly on the module, thus greatly reducing the time spent on setup. The reliable CFA+ crimp force analysis ensures top quality and minimal rejects. This precision combined with time savings boosts productivity.

State of the art efficiency and precision

- Wire cross sections from 0.125 mm² to 6 mm² (AWG 26–10)
- Maximum crimp force of 22 kN
- Cycle time (optimized) about 220 ms depending on setting
- Unrivalled level of positioning accuracy and precision

Uniquely effective user guidance

LED illumination guides the crimp module operators through the various work zones and points out focal points and hazards to them. This feature and the central operator unit on the crimp module cut changeover and setup time to a minimum. The central operator unit makes it possible to fetch a new wire directly. The four positioning keys then allow the wire to be arranged precisely in the process position.

Strong, flexible and reliable

Commercially available terminals can be processed thanks to the increased crimp force of 22 kN, the continuously adjustable speed and the connectible split cycle function. The robust crimp module design delivers extraordinary repeat accuracy. The C1370 automatically adjusts the crimp height during the teaching procedure. Tool fixtures are available for all conceivable applicators.

Reliable and high quality production

The CFA+ crimp force analysis reduces the reject rates to a minimum while preventing unnecessary wear and saving costs. Statistical data supports the evaluation of the production output. Exact cable and terminal combinations can undergo a detailed analysis with CFAIab.

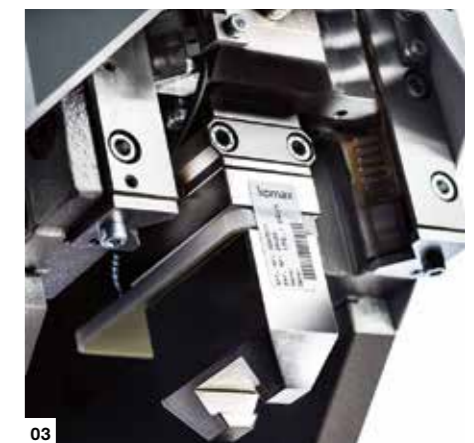
PROCESS MODULES OF THE NEWEST GENERATION



01



02



03

Perfectly illuminated work area for setup process.

01 Innovative operation on crimping module during the setup process.

02 Confirmation key for two-hand operation on the module.

03 Top tool fixture with integrated CFA sensor.



C1340

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Technical Data

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Wire cross-sections	0.125 – 6 mm ² (AWG 26 – 10)	•	•
Maximum crimp force	22 kN	•	•
Programmable crimp height	+0.2/-0.8 mm	•	
Resolution	1 μm	•	
Repeat accuracy	< 3 μm	•	
Stroke	Programmable from 10 – 40 mm, in increments of 1 mm	•	•
Cycle time (optimized)	Approx. 220 ms depending on the settings	•	•
Wire line height	Standard foot: 270 mm, setting range 0 to 25 mm	•	•
Attachment of applicator (crimp tool)	Quick-action clamping system available for a large number of tools	•	•
Shut height	135.8 mm, (standard) setting range +5/-3 mm	•	•
Crimp force analysis	RAM adapter with integrated CFA sensor for multi-step evaluation over three measurement zones	•	•
Number of reference crimps	only 1 learning crimp	•	•
Mains voltage	3 × 480 V nominal (3 × 440 – 530 V) 50/60 Hz 3 × 400 V nominal (3 × 360 – 440 V) 50/60 Hz 1 × 230 V nominal (1 × 180 – 250 V) 50/60 Hz	•	•
Low voltage	24 VDC max. 2 A	•	•
Compressed air connection	5 – 8 bar oil-free (for the two options air feed set and terminal strip chopper)	•	•
Dimensions (W × H × D)	220 mm × 910 mm × 550 mm	•	•
Weight	96 kg	•	•

Options and accessories

Air feed set	For air-controlled crimp tools, programmable trigger and activation time	•	•
Terminal strip chopper	With programmable trigger and activation time	•	•
Pressure regulator set	Air pressure regulation for crimp tools with air feed; has three air outputs and filters	•	•
Shut height gauge	For setting the shut height of 135.8 mm	•	•
Crimp module analyzer	For monitoring sensitivity and stability	•	•
CFAlab	For analysis and management of crimp force curves	•	•
Tool rack	For a safe positioning of the crimp tool during conversion procedures	•	•

Processing examples

Crimping	
Programmable crimp height	
Crimp force analysis	

Komax – leading the field now and in the future

As a pioneer and market leader in automated wire processing, Komax provides its customers with innovative solutions. Komax manufactures series and customer-specific machinery, catering to every degree of automation and customization. Its range of quality tools, test systems, and intelligent software and networking solutions complete the portfolio, and ensure safe, flexible, and efficient production.

Komax is a globally active Swiss company with highly qualified employees and development and production facilities on several continents. It provides local support to customers worldwide through its unique sales and service network and offers services that help them get the most out of their investments.

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