

Professional Quality Control with Komax

An overview of the large selection of quality measurement devices



There is a continues chain of integrated and automated quality measuring devices and process monitoring functions available for the Komax Alpha, Gamma and Zeta fully automatic crimping machines. The trend now is towards integrated and, in some cases, fully automatic solutions.

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Before production is started, the relevant quality criteria are measured and verified and teaching procedures are carried out for the process monitoring functions. With the new seal position monitor (SPM), the seal position can be automatically set up and measured.

The production output itself is checked by the process monitoring units, and any defective products are automatically separated. The optional material change detection can be used to detect a material change during production to ensure compliance with all quality criteria even after a material change.

The measuring devices and process monitoring units are integrated in the machine:

- The software controls and mandates verifications and teaching procedures based on events.
- The specified values can be entered via the network (WPCS).
- Data is automatically sent from the measuring devices to the software.

This approach minimizes the operator's influence and the possibilities of operating and entry errors while simultaneously cutting down on the material used and the time required.

Komax goes even a step further with the fully automatic quality measuring devices. They function fully automatically so operating errors are virtually ruled out.

Feedback on all measured values, settings and results from the process monitoring units in WPCS ensures the documentation of all quality criteria.

YOUR BENEFITS

- Continues chain of measuring devices and process monitoring units
- Automatic setup and measurement of seal position with the new seal position monitor (SPM)
- Avoidance of operating errors thanks to software control of measuring devices and input of specified values from the network
- Total elimination of operator's influence with the use of fully automatic measuring devices

Overview of quality measuring devices and process monitoring units	Alpha 355/358	Alpha 356	Alpha 455	Alpha 433 Gamma 333	Alpha 477 Alpha 488	Zeta 633
Material verification with barcode scanner	•	•	•	•	•	•
Wire length measurement (manual, fully automatic)	•	•	• ¹	•	•	•
Crimp height measurement (integrated)	•	•	•	•	•	•
Pull-out force measurement (integrated, fully automatic)	• ²	• ²	• ²	•	•	•
Crimp force monitoring (CFA)	•	•	•	•	•	•
Seal monitoring (SPA/SPM)	• ³	• ³	• ³	•	•	• ³
Material change detection (contact/crimp tool, wire)	•	•	•	•	•	• ⁴

1) Fully automatic measurement: Alpha 455

2) Fully automatic measurement: Alpha 355/356/358/455

3) SPM with mci 765 seal module on Alpha 355/356/358/455, Zeta 633

4) Wire change detection Zeta on request