All-round testing of functionality and quality

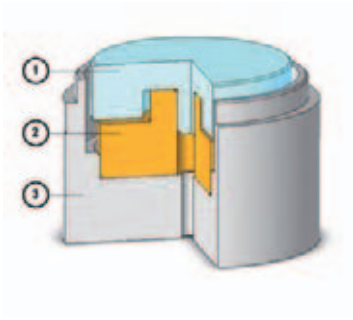
Crimp Module Analyzer: The press tester for quality-conscious users

Maintaining the specified crimping height is one of the key quality characteristics in crimp production. A stable and precise press is required to meet this demand.
With the Crimp Module Analyzer, a new tester is now available on the market that allows the functionality and quality of Komax MCI and BT presses to be checked even more comprehensively. With the combination of crimp simulator and sophisticated Komax software, the stability of the press stroke can be indicated in µm and the measurements presented in an easy-to-read report. The testing itself takes even less time than before.

Beat Fuchs Product Manager

Stroke Stability Analysis (STSA)

Stroke Stability Analysis (STSA) is the measuring procedure used. It tells the operator how stably the stroke on a press is being executed. To do so, it uses force and position sensors already integrated in the Komax crimping presses. It needs no additional measuring equipment other than a simple mechanical crimp simulator. The simulator has a two-level structure to depict a real crimp more accurately. The springiness constant of the system is determined from the recorded force curve. This curve of peak force values is recorded over a selectable number of test cycles. Then, the stability of the press stroke can be determined from the springiness constant and the adjusted peak force value.



Structure of simulator
1) Baffle plate
2) Elastomer spring element
3) Pan

YOUR BENEFITS

- Measured result of STSA stroke stability indicated in µm
- Usable on all Komax presses (MCI, BT)
- Function test for the CFA system
- Short test times
- Easy-to-read report with graphs

Optimum quality control

The software included in the delivery contains clear explanations to guide the user step by step through the test as well as detailed descriptions of technical terms. Detailed explanations on the entire crimping process help users to understand the technical aspects of their work better and can also be integrated in training courses.

When the measurement is finished, the user has an easy-to-read report in graph form containing all the key results. The series of measurements can also be saved. When the press is checked at a later time, the old and new values can be compared.

Test software

The Crimp Module Analyzer is an easy and attractively priced test instrument for quality-conscious users of Komax crimping presses.

komax

Komax Crimping Module Analyzer

Test Report

Company	Komax				
Location	VM				
Operator	B. Fuchs				
Date	11.10.2006 10:59:57		**Sign:**		

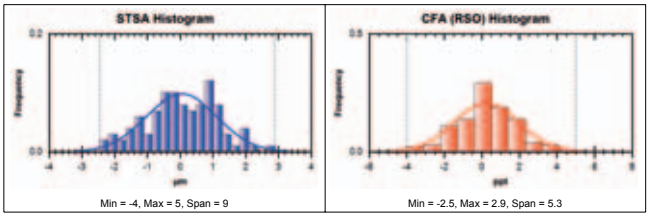
Crimping Module mci 711

Serial Number		711.3101			
Software Version		2.03.16.01			
Cycle Counter	90644	**Force Sum**	88449 kN	**Average Force**	1.0 kN

Crimpsimulator	Part. no. 0300023 , Ser. no. 0001

Results Stability Test

	Spec.	Value	
Peakforce [N]	2700 ... 3300	3010	Pass
Crimpsimulator Stiffness [N/µm]	3.00 ... 7.00	3.81	Pass
Testcycles	>= 100	100	Pass
STSA (Stroke Stability Analysis)			
Standard Deviation, stdev [µm]	<= 4.00	1.10	Pass
Capability Index cp, (Specification Limit = ± 30 µm)		9.10	
CFA (Crimp Force Analysis)			
Standard Deviation, stdev(RSO) [ppt]	<= 8.00	1.74	Pass



Test Report