WireCam
Option for Quality Assurance

WireCam

Description

WireCam is another new, innovative quality assurance option for the CrimpCenter machine family. The system monitors the stripping results and certain properties of positioned seals. A camera takes a picture of the processed wire end while the wire is in motion, or „on-the-fly." Based on a two-dimensional top view picture, the software inspects each single wire end and compares it with the reference in real time. Therefore, the production quality is increased while maintaining high machine performance.

The complete integration of WireCam in "EASY", the CrimpCenter's user interface, ensures simple programming and control. The tolerance settings refer to physical units such as millimeters or inches, thereby making the system understandable and easy to use. In combination with SmartDetect and CFM20, all quality relevant processes of the wire processing can be monitored in real-time.

Design

Each WireCam consists of a control unit, camera, backlight and sensor. These assemblies are identical for the CrimpCenter 6-series and 3-series.

Ability

The system monitors the following criteria. Individual points or different combinations reliably evaluated:

	Image	Description	Detection
1		Stripping length	
2		Conductor diameter	
3		Pulled strands	
4		Insulation residues	
5		Spread strands	
6		Seal position	
7		Seal length	
8		Seal diameter	
9		Pierced seals	
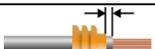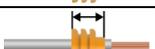
Analysis Features

Description	Values
View	26 x 20 mm (1.02" x 0.79")
Conductor Cross-Section	0.13 – 6 mm² (AWG 26 – AWG 10)
Application Limits	Full strip max. 24 mm (0.94")
Seal Length	Maximum 10 mm (0.39")
Seal Diameter	Maximum 13 mm (0.51")

To Be Precise.