DISCOVER G3+ CRIMP FORCE ANALYSER

All data is processed and stored automatically.
Enforces & stores all QA checks.
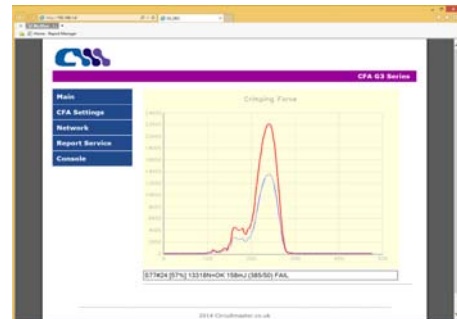Real time crimping data is sent to your desktop, tablet or mobile phone.

Circuitmaster has extended the Crimp Force Analyser (CFA) to collect more production data and enable communication between the operator and databases more effectively, this new enhanced unit is the G3+.

The CFA has been at the heart of real time quality control for many years, however, there has been an ever growing need for further monitoring of the press at the press. The G3+ addresses these issues by using the powerful evaluation unit to combine all data collection requirements in one compact cost effective system.

> Easy to Install and Operate

The system has been designed to be easy to install and operate so any production down-time is kept to a minimum. The system is designed to start working in a factory from day one as it can be used the same way as a standard CFA. As more production data becomes available, more of the systems features can be enabled until a comprehensive fully closed loop control system is established.
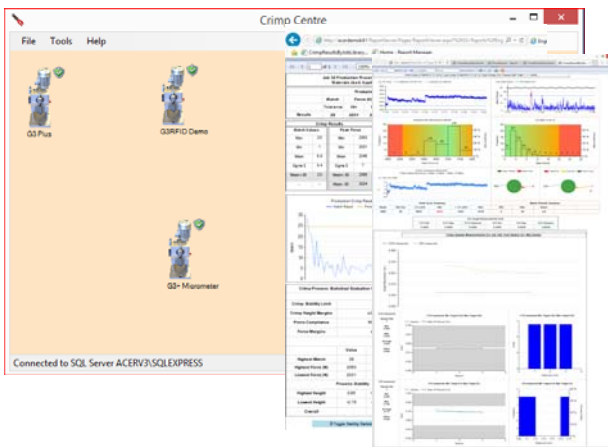
> Central Control of CFA Units

All the presses can be controlled by a central system. Process parameters can be sent to the CFA removing the need for operators to teach the CFA the process, thereby reducing operator errors.

> Comprehensive Data Collection

CrimpCentre software collects and stores production data for all presses on the system. This can be tailored to integrate with software already used within your organisation. A wide range of reports are available to the organisation, potentially accessible from anywhere with an internet connection.

> Real Time Analysis Of Any Press On The System

The real-time monitor shows every press on the system and clearly displays production data as it happens.

Historical production data can be accessed and even replayed in 'real-time'.

> Web Based Interface

As the system is web based the information can be made available anywhere in the world, making this a powerful strategic management decision-making tool

Innovative solution provider for the wire harness industry - Designed and manufactured in the UK, distributed worldwide

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> Micrometer

Our micrometer interface can be used by all presses within the cell or on individual presses. It is integrated into the system and all measurements are collected for analysis and validation purposes. It is intuitive with an easy menu, and clear instructions for each measurement to be taken.
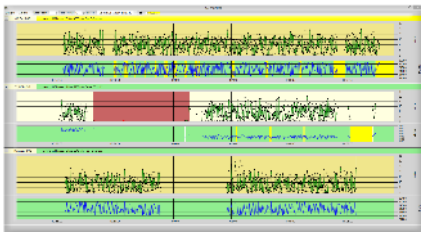
> Pull Off Gauge

Our Pull off Gauge interface can be used by any press on the system. All data is collected in real-time for further analysis and validation.

> Barcode Readers

The G3+ supports the use of barcode readers. Applicator, terminal and wire barcodes can be scanned into the system to ensure correct combinations are being used. All barcoded data is saved against each job and reports can be generated to demonstrate material compliance.
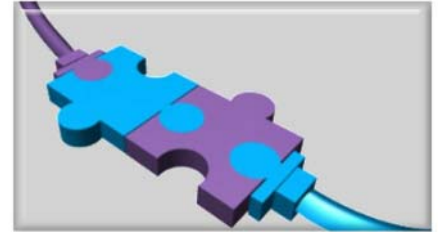
> Live Monitor

The Live Monitor software is provided as standard with your G3+. Live production data is plotted in real time which allows engineers and supervisors to monitor production quality at each press station from a central location.

> Reports

Standard reports are provided that have been carefully designed to present all key production data. However, custom reports can also be provided for manufacturers who have specific requirements. Please contact us for more information.

> Integration

Our CFAs can be retrofitted to existing machines with minimal disruption.
For Original Equipment Manufacturers, our system can be fully integrated into your equipment providing you with a competitive edge.

> Standard Equipment

○ Evaluation Unit
○ Ram Force Sensor
○ Positional Encoder
○ DC Power Supply

> Optional Equipment

○ RFID/Micrometer Interface
○ Micrometer
○ Pull Off Gauge
○ TS16949 Data Control

> Technical Specifications

Repeatability	0.1%
Resolution	10 Newtons
Measurement Range	0 - 20 kN
Operating Temperature	0 - 70 ^{o}C
Sensor Type	Piezoceramic
Unit Size	85 x 103 x 35 mm
Power	9 - 24 DC
Evaluation Time	<20 ms
Communication	TCPIP, HTTP and UDP

For more information, please contact our sales team

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