Crimp Force Monitor System "CFA1000m"

Automatic Machine Crimp Force Analyser System

- Advanced 3 zone analysis algorithm
- Multilingual Support
- Easy intuitive user interface reduces training costs
- Network interface for OEM base machine integration (Windows drivers available)
- Comprehensive online statistics including process Cpk and Cp
- Base plate or inline ram force sensor
- Force curve can be viewed online
- Optional remote graphical interface unit.
- Encoder or Time trigger modes
- Universal mains PSU for worldwide operation
- Batch buffer holds last 1000 results
- Fast evaluation means no production rate impact.
- CE approved
- Programmable relay and opto inputs for easy machine interface

Class leading performance

The CFA1000M has been designed to detect the following common problems:

- Missing/bent wire strands
- Incorrect insulation strip
- Strands outside main crimp
- Insulation in main crimp
- Insulation crimp faults
- Crimp misfeeds
- Incorrect wire use

Bringing the following key benefits

- Improved quality
- Eradication of tooling breakage
- Reduced machine downtime
- Reduced production costs

Class leading technology

CFA1000M represents current state of the art in Crimp Force Analysis. The advanced 3 zone algorithm patented by Komax AG is the result of an intensive R&D program in collaboration with Komax. The licensed core technology allows the CFA1000M to offer unprecedented levels of good/bad sorting for the latest high speed automatic machines. A range of robust, preloaded piezoceramic sensors are available which along with the cfa1000M can be calibrated to provide accurate peak force readings.

Class leading flexibility

The flexibility of the CFA1000M allows the system to be used in conjunction with a wide range of target automatic machines. Full integration with the base machine is possible via the integral network interface adapter allowing OEM's an economic solution for integrated CFA. Four freely programmable relay outputs allow configuration for machine, chopper and paper reel interfaces.

Technical Specification

Repeatability	0.1%
Resolution	10 Newtons
Batch Storage	Last 1000 results
Measurement range	0-20KN (2 Tonne)
Operating Temp	0-70°C (158°F)
Sensor Type	piezoceramic
Unit Size	235x165x85 (mm)
	9.3 x6.5 x3.3(inch)
Power	90-240Vac 50-60Hz
Evaluation Time	<20mS

Standard Equipment

- Evaluation unit
- Remote graphical display unit
- Ram force sensor
- Position encoder unit
- Press Interface Lead

Options

- Force base plate
- Windows OEM drivers
- Timer mode trigger sensor

For more information please contact our sales department.
sales@circuitmaster.co.uk or +44 (0) 1706 630 606