CFA1000B

Benchtop **C**rimp **F**orce **A**nalyser System

CFA1000B Highlights

- ✓ Advanced 3 zone analysis algorithm
- ✓ Easy intuitive user interface reduces training costs
- ✓ Comprehensive online statistics including process Cpk and Cp
- ✓ Force curve can be viewed online
- ✓ Encoder or Time trigger modes
- ✓ Batch buffer holds last 1000 results
- ✓ Up to 255 units can be networked
- ✓ CE approved
- ✓ Multilingual Support
- ✓ Optional Windows 95/98/NT® user site management software.
- ✓ Baseplate or inline ram force sensor
- ✓ Optional printer for batch reports
- ✓ Universal mains PSU for worldwide operation
- ✓ Useful benchtop batch counter facility
- ✓ Programmable relay and opto inputs for easy machine/peripheral interface

Class leading performance

The CFA1000B 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

CFA1000B 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 CFA1000B to offer unprecedented levels of good/bad sorting whilst remaining easy and intuitive to use.

Class leading flexibility

The flexibility of the CFA1000B allows the system to be used in virtually any benchtop target wire preparation application on a wide variety of presses.

A self trigger mode allows the unit to be used where no access is possible for encoder fitment, whilst force sensing can be provided by either standard baseplate or inline ram sensors.

The system is fitted with a printer interface which allows a hardcopy batch statistics report to be produced via an optional printer.

The graphical user interface allows the force curve to be viewed online. This allows rapid diagnosis and remedial action to be taken in the event of repeated processing problems.

Technical Specification

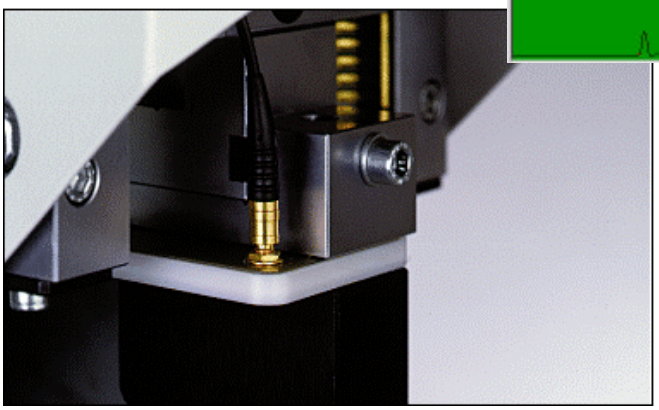
Repeatability	0.1%
Resolution	10 Newtons
Batch Storage	Last 1000 results
Measurement range	0-20KN (2 Tonne)
Operating Temp	0-70°C (158°F)
Sensor Type	Piezoceramic
Unit Size	235x165x85 (mm) 9.3 x6.5 x3.3(inch)
Power	90-240Vac 50-60Hz
Evaluation Time	<20mS

Standard Equipment

- Evaluation unit with integral graphics display
- Ram force sensor
- Position encoder unit
- Press Interface Lead

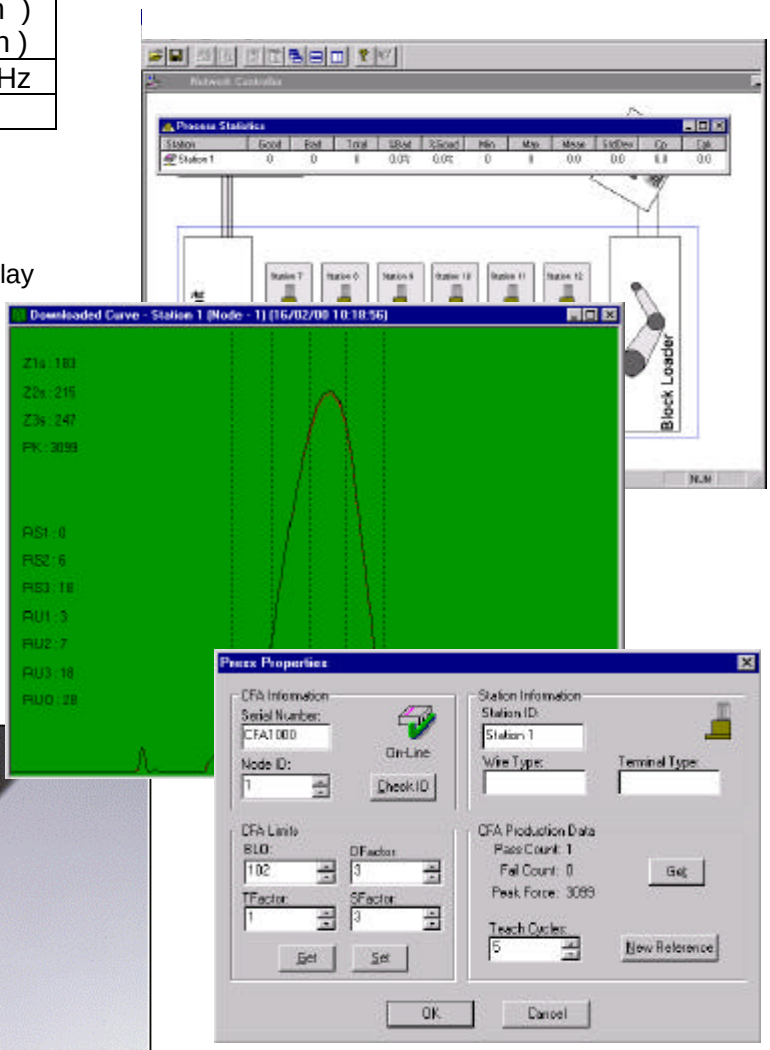
Options

- Force Baseplate
- Windows cfaNET software
- *CFANET* kit
- Timer mode trigger sensor
- Thermal Printer



CFANET

CFANET allows up to 253 units to be networked together. This allows quality data to be gathered in a central place for storage and analysis. In addition the system allows remote setup of CFA parameters ensuring that correct settings are always used on the shop floor.



For local sales & distribution contact

circuitmasterdesigns
electronic innovations

CircuitMaster Designs Ltd
Kingsway West Business Park
Moss Bridge Road, Rochdale
Lancashire, United Kingdom
OL16 5LW
info@circuitmaster.co.uk
http://www.circuitmaster.co.uk