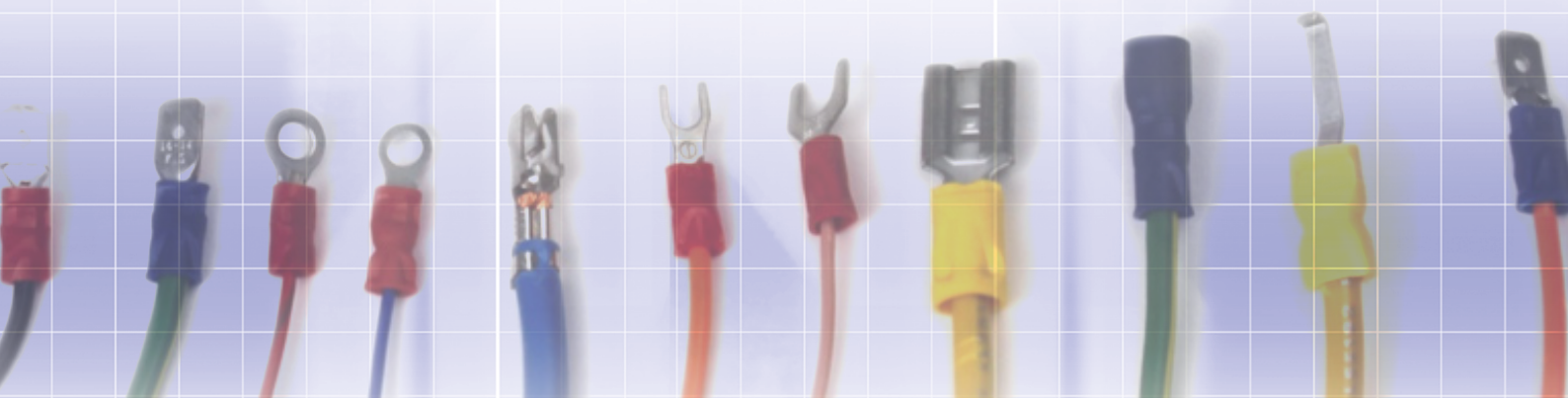
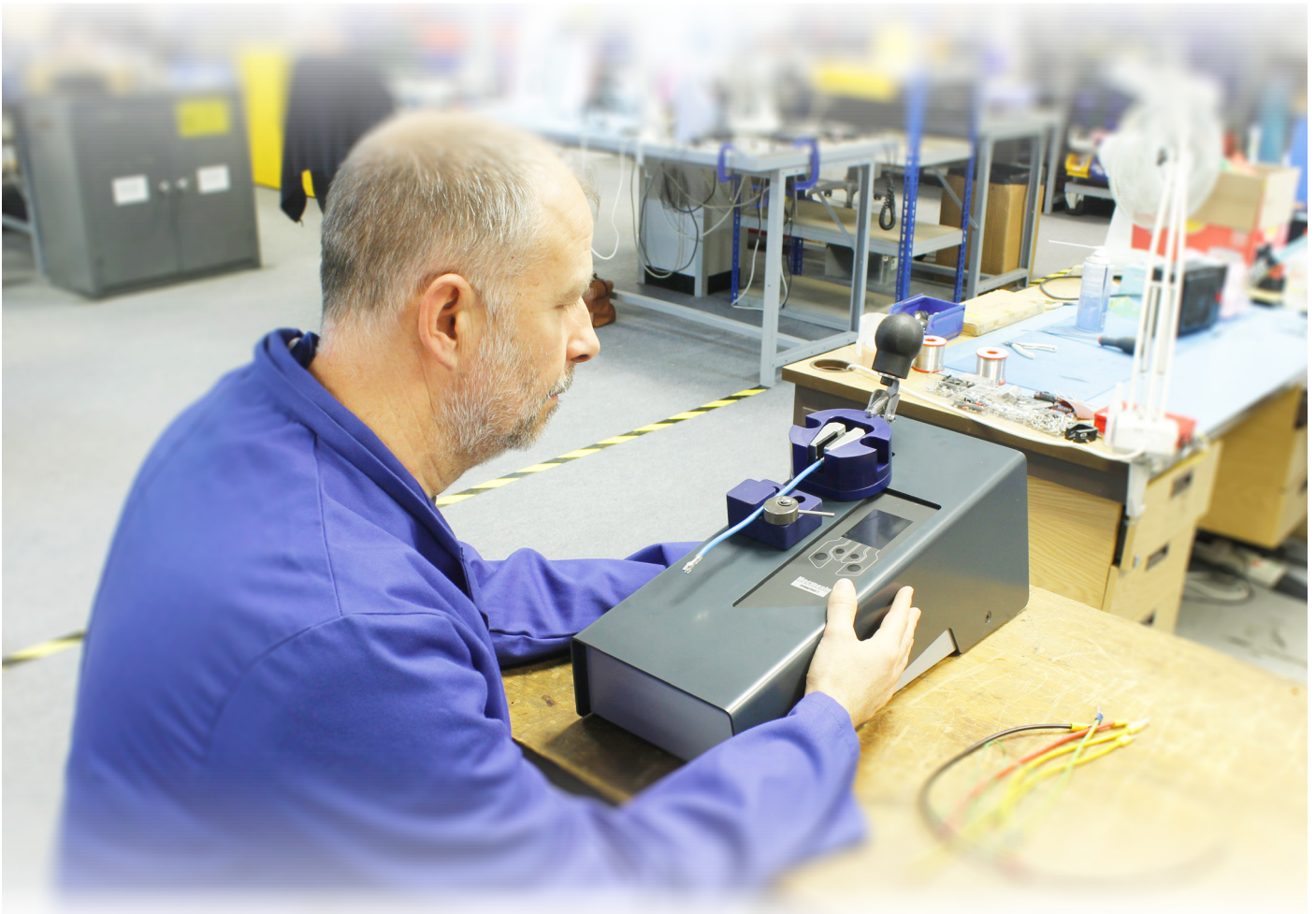


CrimpTest-1 kN

Motorised wire terminal tester for production/QC areas



CrimpTest-1 kN

Motorised wire terminal tester

Introduction

The Mecmesin CrimpTest-1 is a horizontal, motorised wire terminal tester, designed for ease of use, rapid throughput and high duty cycle operation. Rugged construction, simple controls and a clear display make this compact, benchtop unit an ideal quality checking instrument for wire terminal manufacturing equipment, right at the point of production.

Standard fixtures

Rotary Crimp Receptacle (RCR)
Slotted holder to suit wires from 1.5 mm (1/16") to 8 mm (5/16")

Stepped ring terminal pin
For loops from 4 mm to 10 mm

Cam grip
Fixture to suit wires up to 13 mm diameter

Data output

Automatic or manual output of test results via RS232 to printer port.

Motorised operation

Reduced risk of operator strain or injury from repeated testing, with direction of pull away from the operator.

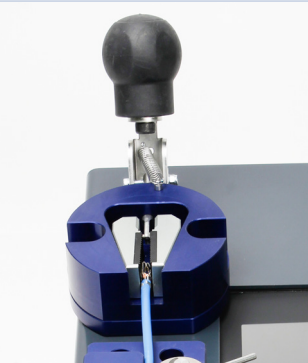
One touch testing

Peak force at break automatically calculated. Choice of four speed settings: 25, 50, 100 and 200 mm/min.

Control panel display

Clear indication of pull-off load and pass/fail status.

Optional pull fixture



1 kN wedge grip (wedge-action)
Self-tightening to secure flat connectors. Opening 0 - 5 mm (small), 0 - 8 mm (large)



Four simple buttons to operate

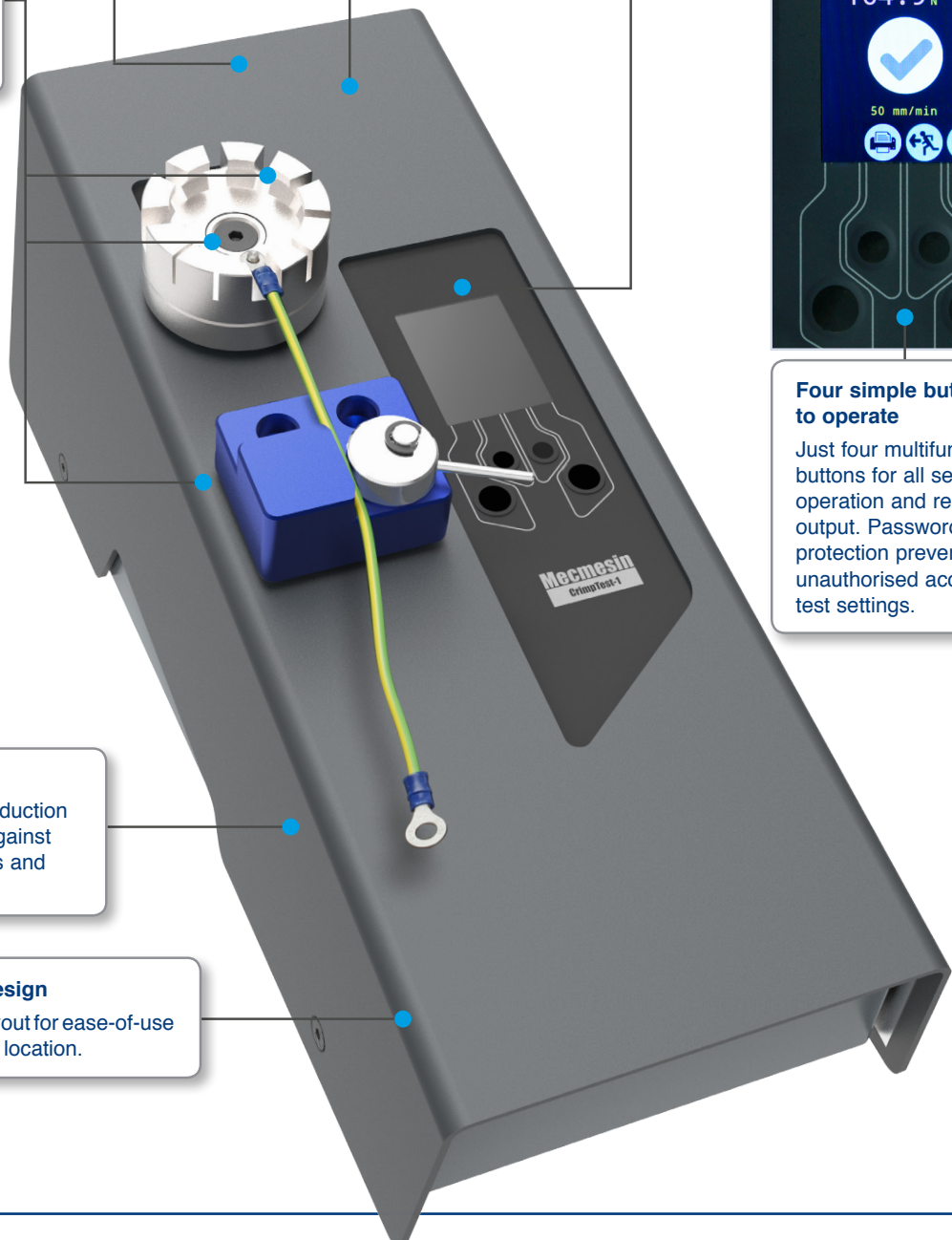
Just four multifunction buttons for all settings, operation and results output. Password protection prevents unauthorised access to test settings.

Robust

Ideal for regular use in the production environment and IP52 rated against ingress of dust, wire fragments and water.

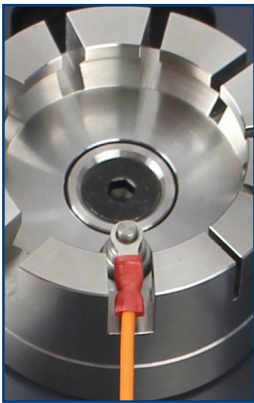
Horizontal design

Ergonomic layout for ease-of-use in a benchtop location.



Test standards

- ASTM B913 : Standard Test Method for Evaluation of Crimped Electrical Connections to 16-Gauge and Smaller Diameter Stranded and Solid Conductors
- SAE AS39029, AS7928 : general specification for terminals, lug: splices, conductor: crimp style, copper
- IEC 60352-2 : solderless crimped connections
- BS 5G 178 (Part 1) : crimped joints for aircraft electrical cables and wires
- DEF STAN 59-71 : crimped electrical connectors for copper conductors
- ISO 1966 : crimped joints for aircraft electrical cables
- NASA-STD-8739.4 : space applications, crimping, cabling and harnessing



Rotating Crimp Receptacle with stepped pin (See DS-1167)



Shown with Cam Grip (lower) and Rotating Crimp Receptacle (upper) (fitted as standard) (See DS-1167)



Shown with Cam Grip (lower) and large Wedge Grip (upper) (part no. 432-607 large) (part no. 432-606 small) (See DS-1161)



Cable Tie fixture (part no. 432-653) (See DS-1162)



Calibration rig for simple verification of load reading (See DS-1166)

Specification

Load	
Load capacity	1000 N / 100 kgf / 220 lbf
Load accuracy	±2 N / 0.2 kgf / 0.4 lbf
Resolution	0.1 N / 10.01 kgf / 0.02 lbf
Overload	150%
Break detection: automatic with return to start	
Break assumed at:	10% of peak load (90% drop from peak)
Selectable test speeds	
Speed range	mm/min 25, 50, 100, 200 in/min 1, 2, 4, 8
Speed accuracy	±0.2% of indicated speed
Output	
Data	RS232 (RJ11 connector)
Dimensions (without fixtures)	
H x W x D mm (in)	180 x 192 x 500 (7 x 7.5 x 19.5)
Weight	11 kg (24 lb)
Power requirement	
External adapter	24 V, max rating 160 W
Environment	
Ingress protection rating	IP52
Operating temperature	10° C to 40° C
Warranty: 2 years	

Mecmesin

testing to perfection

Mecmesin - a world leader in affordable force and torque testing solutions

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