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# TT Crimping Press



## Specifications

**ID**  
TT

**POWER**  
0.55 Kw (0.75 HP)

**FORCE**  
2000 Kg (4450 lb)

**STROKE**  
40 mm (1.57")

**CRIMPING HEIGHT  
(Bottom Dead Center)**  
135.8 mm (5.34")

**WEIGHT**  
41 Kg (95.6 lb)

**DIMENSION (mm)**  
W 200 x H 580 x D 300

**DIMENSION (")**  
7.9 x 23 x 11.8

**CONFIGURATION**  
bench top / automatic

**POWER SUPPLY**  
different arrangements  
available

**SURFACE FINISHING**  
RAL 7038 light grey



The TT Crimping Press is available either in semi-automatic (for bench-top use) configuration or in full automatic (integrated into a cut and strip machine) configuration. Very compact and light, its spheroidal cast iron, one-piece structure offers the highest rigidity for a very stable crimping height value. The standard stroke is 40mm, but other different strokes are available upon request. The 135.8mm  $\pm$  0.02mm crimping height (measured from the applicator base plate to the press T-coupling when at Bottom Dead Center) allows the TT to accept all the mini-style applicators fitted with the standard T-coupling. Upon request, a crimping height continuous regulating system ("TAC TAC") can be supplied. A proprietary safety cover (standard issue on the semi-automatic configuration) grants the operator a perfect view of the crimping zone while enjoying complete protection from any hazard. Mecal's own CFA crimp force analyser can be fitted as an option. The semi-automatic configuration (for bench top use) always includes safety cover, reel arm, foot switch according to the international safety standard and CE regulation.

*Produced under a quality Management System certified to ISO 9001 (TUV).*

Specifications subject to change. Consult Mecal S.r.l. for latest specifications.

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# TT 1000 Crimp Force Analyser



## Specifications

**ID**  
TT 1000

**PART NUMBER**  
see different versions

**DIMENSION (mm)**  
W 125 x H 180 x D 58

**DIMENSION (")**  
W 4.92 x H 7.08 x D 2.28

**WEIGHT**  
1.9 Kg (4.22 lb)

**POWER SUPPLY**  
18 V. from press



Azienda con Sistema Qualità  
certificato N° 501001810



The TT 1000 Crimp Force Analyser is an on-line quality control system that checks and evaluates the force applied at any given crimping, identifying the crimpings that do not respect the parameters set by the operator. Easy and quick to be set up and intuitive to be used, the TT 1000 is a second generation Crimp Force Analyser, derived from the CMD CFA 1000 range but engineered specifically for the Mecal presses: together they provide the most cost effective solution on the market to the requirement for quality monitored wire termination.

Product highlights include the following:

- Powerful 16 bit microprocessor allows faster evaluation or more complex algorithms
- On line statistics capability including mean, std ev, cp and cpk analysis
- Graphical Control Panel (GCP) allows on line viewing of force curves aiding fault diagnostics
- Operator Menus in English, German, Italian, Spanish and Portuguese languages
- Four digit alphanumeric password facility
- Useful batch counter facility for bench top applications
- Additional freely programmable I/O available
- Non-volatile terminal batch buffer holds the RUO results of the last 1000 terminations
- Rugged high quality enclosure
- Software upgrades can be easily installed to the CFA in the field

The system is composed by four main components:

- the CPU, containing the processor that elaborates the collected data;
- the graphic control panel GCP - the visual interface with the operator - fitted with a LCD screen (resolution 64 x 128 pixel) and the JOG control to easily choose the desired menu;
- the piezoelectric transducer, that turns the applied crimping force into an electric signal sent to the CPU;
- the encoder, that let the CPU always know position, speed and direction of the press crankshaft.

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