



Elettronica S.r.l.

## Wires processing and harnesses production

**Prestel Elettronica S.r.l.** have a wide range of equipment (both automatic and manual) for processing wires of various sizes (from AWG 26 to 00) and types (nickel-coated, silver-coated, tin-coated, etc.). The tools involved in the special crimping process are regularly inspected and calibrated. Where **Prestel Elettronica S.r.l.** have the necessary equipment at our disposal, we inspect the tools internally. In other cases, we entrust this task to SIT accredited external bodies.

Main categories of tools available in Prestel, for crimping process and other activities, are shown in following pages.

The technical documentation is managed on a centralized computer system: each operator can read the operating instructions and production specifications on his own notebook computer.

Laying of the wires is carried out on special tables designed to facilitate replacement of the sections and processing of wires of various sizes.



All staff involved in processing the wiring systems are suitably trained and qualified by **Prestel Elettronica S.r.l.** as described in the "Quality and Training" section, resulting in professionalism that guarantees the high quality and reliability of **Prestel Elettronica S.r.l.**'s products.



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## Equipments for crimping

### Pin/Contact Crimping Equipment

#### M22520/1-xx

manual tools and locators/turrets for crimping pins on AWG 26 to AWG 12 wires; MIL-DTL-22520 reference standard.

#### M22520/2-xx

manual tools and locators/turrets for crimping pins on AWG 32 to AWG 22 wires; MIL-DTL-22520 reference standard.

#### M22520/4-xx

manual tools and locators/turrets for crimping pins on AWG 22 to AWG 16 wires; MIL-DTL-22520 reference standard.

#### M22520/5-xx

manual tools and dies for crimping coaxial wires. Reference standard is MIL-DTL-22520.

#### M22520/23-xx

pneumatic tools and positioners for crimping pins on wires of AWGs greater than 10. Reference standard is MIL-DTL-22520.

#### M22520/31-xx

manual tools and locators/turrets for crimping pins on coaxial wires. Reference standard is MIL-DTL-22520.

#### 58541-1

manual tools for crimping pins for AMP ground connectors and AWG 24 to AWG 14 wires. Reference: Tyco catalogue.

#### 915xx-y

manual AMP tools for crimping contacts for AWG 26 to AWG 22 wires. Reference: Tyco catalogue.

#### GMT 221

D.M.C. tool for crimping AWG 26 to AWG 20 forked pins. Reference: Daniels Manufacturing Corporation catalogue.

#### 0011010008 (HTR1719C)

Molex tool for crimping AWG 24 to AWG 20 FASTONS. Reference standards: ATS-638000027 and ATS638000029SP.



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## Terminal/Lug/Splice Crimping Equipment

### 5767xx

manual AMP tools for crimping pre-insulated terminals on AWG 24 to AWG 10 wires. Reference: Tyco catalogue. Terminal reference standard:  
MIL-C-25036.

### 5997x-y

hydraulic AMP tools for crimping non-insulated and pre-insulated terminals on AWG 8 to AWG 4 wires. Reference: Tyco catalogue. Terminal reference standards: MIL-C-25036.

### 46673

manual AMP tools for crimping pre-insulated terminals on AWG 22 to AWG 16 wires. Reference: Tyco catalogue. Terminal reference standard:  
MIL-C-25036.

### 4738x

manual AMP tools for crimping lugs and pre-insulated splices on AWG 22 to AWG 14 wires. Reference: Tyco catalogue. Component reference standard: MIL-C-25036, MIL-T-7928

### 59239-x

manual AMP tools for crimping pre-insulated terminals on AWG 14 to AWG 10 wires. Reference: Tyco catalogue. Component reference standard:  
MIL-C-25036, MIL-T-7928

### 46121

manual AMP tools for crimping pre-insulated terminals on AWG 26 to AWG 24 wires. Reference: Tyco catalogue. Terminal reference standard:  
MIL-C-25036.

### 69066

hydraulic AMP tools for crimping pre-insulated terminals on AWG 8 to AWG 4/0 wires. Reference: Tyco catalogue

### 46447

manual AMP tools for crimping parallel and butt splices on AWG 22 and AWG 10 wires. Reference: Tyco catalogue.

### M22520/37-01 (p/n Tyco AD-1377)

manual Raychem tools for crimping splices on AWG 26 to AWG 16 wires. Reference: Tyco catalogue. Reference standards: MIL-DTL-22520. Reference standards on splices: MIL-S-81824.



Electronica S.r.l.

## Equipment for Locking of Backshells

### **CM264-xx**

Reference standard: MIL-C-26482

### **CM389B-xx**

reference standard: MIL-C-38999 series IV

### **CM389T-xx**

reference standard: MIL-C-38999 series III

### **CM5015-xx**

reference standard: MIL-C-5015

### **CM-5JT-xx**

reference standard: Pattern 615