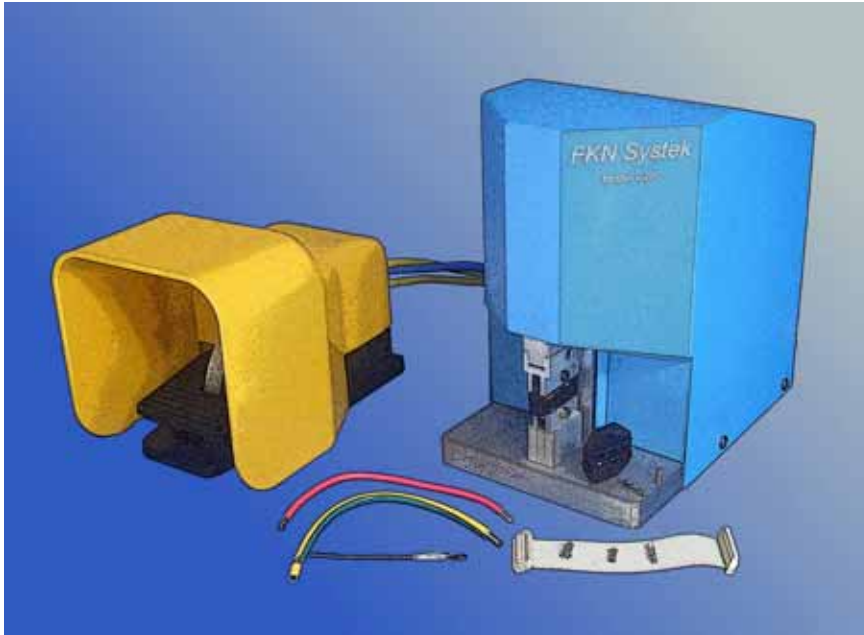


C200 Pneumatic Crimp Tool

FKN Systek Inc.
Tools For Electronics Assembly

Low Cost Table Top Crimp Machine



Crimps wire from 2 to 34 AWG.

Press in force 1200 kp at 6 bar.

Simple Tool Change.

Foot pedal actuated.

Weight 28 lbs (13 kg).

Easily Transportable.

The C 200 is a table top low cost crimp tool which takes a variety of dies from different manufacturers. Air operated using standard factory air (5 bar min), with a pressing capacity of up to 1,200 kp, this portable device allows easy and convenient change of tools and set up for different crimp contacts.

Die Sets are available for open barrels, wire end sleeves or insulated parts. Contacts to be crimped are placed onto a star shaped positioning leaf and rotated into place between the top and bottom crimp die sets. The positioning cross is available in 3 versions, for 6.3, 4.8 and 2.8 mm wide terminals.

For more versatile crimp contact positioning, an optional slide table is available. This allows the operator to place crimp contact and wire into position in front of the crimp dies, and subsequently move the assembly between the two dies for crimping.

Operation of the tool is easy. Simply place the crimp contact onto the positioning star and with the left hand rotate the crimp housing in place between the upper and lower die sets. With the right hand place the wire to be crimped into the housing of the contact and step on the foot pedal.

Set-up for different die sets is quick and convenient. After the correct die set has been fixed in place, the screws on the positioning block are loosened so that exact adjustment to the position of the contact to the correct die slot is set. Once the positioning block has been adjusted, the set screws are tightened and the machine is ready for operation.

Order Information

C200	Air operated crimp machine
30-7009	Die set for open barrels
30-7006	Die set for wire end sleeves
30-7008	Die set for insulated parts
C-201	Positioning Block
C-202	Positioning leaf 6.3 x 0.8mm
C-203	Positioning leaf 4.8 x 0.8mm
C-204	Positioning leaf 2.8 x 0.8mm



Specifications

Size: HWD 9x5x9.5" (228x127x 241mm)

Weight: 28 lbs (13 kg)

Power : 100 PSI Factory Air

C200 Pneumatic Crimp Tool

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Tools For Electronics Assembly

A versatile tool with a variety of uses.

Wire Crimp



Press IDC



Cut Pins



Crimp Large Gauge Wire



Separate Ribbon Cable



The C 200 is a low cost versatile table top crimp tool which takes a variety of dies from different manufacturers. The machine can also be used to cut cable, crimp large diameter wires, press in ribbon cable connectors and cut small parts. Some of the various applications to which the C200 lends itself are shown here. If you have other requirements for pressing components or cutting leads or wires, let us know and we can supply the correct tooling for the job.

Standard Die Sets for open barrels, for wire end sleeves and for insulated parts are available from FKN.

The C200 will accept standard tooling from Ideal and many other manufactures such as AMP, etc.

PN: 01-1102C



Measuring the pull out force for crimp contacts

This automatic pull tester from FKN Systek makes it easy to measure the pull out force for a crimp contact. A sample of the crimp and wire for the batch to be tested is inserted into the serrated holding cup and the wire is clamped to the moveable pull test mechanism. Push start on the control panel and move the lever arm forward to pull the wire out of the crimped contact. The output display will indicate the maximum force (in newtons) which was reached before the wire comes loose. A RS 232 connector on the back of the pull tester allows you to link the device to a PC.

■ Clamp wire to holding mechanism. ■ Push lever. ■ Record results to PC log.

PN: 01-1101C



Sliding crimp height measurement caliper

Measuring Crimp Height is made easy with this sliding caliper available from FKN Systek. The measure of quality for a crimp connection is a trade off between electrical conductivity and the connection withdrawal force. The custom ground blade of this digital caliper allows exact measurement of the heart height of a crimp connection by providing space for the blades to clear the side wall of the crimp contact.T

A crimp connection provides an electrical and a mechanical connection . The measure of the quality for an electrical connection is the conductivity. The measure of quality for the mechanical connection is the withdrawal force. Both factors depend directly on the crimp height of the conductor. Using the crimp height caliper, this is measured from the bottom of the claws to the highest point in the crimp.

Test measurements have indicated that the optimum electrical conductivity (point E, Fig II) and the optimum withdrawal force (point M, Fig. III) are not related to the same crimp height. This means that a crimp with an optimum electrical conductivity does not have the maximum achievable withdrawal force - and vice versa.

Crimp Connections

