



Temperature Technology Ltd.



## Heavy Duty Crimper Instruction Manual

*Whatever stage of development your production line is in, TTL have the products to help you produce temperature sensors quicker, easier and more efficiently.*

# Heavy Duty Crimper

The HDC-1 Heavy Duty Crimper is designed for the hex crimping of stainless tubes etc. (\* DS-008 is specially hardened for durability).

It can be used in temperature sensor manufacture to crimp stainless steel sensor sheaths to cables, potting seals to sheaths and for other general crimping operations e.g. crimping conduits and ferrules.

The HDC-1 is bench mounting and the extended arm means that even large diameter tubes can be crimped with minimum effort.

Three die sets are available to cover all tube diameters and allow for various hex flats to be achieved. (Smaller final diameter crimps can be achieved by removing half of the die set, thereby making a tri crimp).

## General Specification:

Function: 6-spot crimp  
 Max tube size: 38mm  
 Dims.: 400 x 650 x 120mm  
 Weight: 17.5Kg

## Die Sets:

DS-001 2.5mm flats, final crimp 3mm  
 DS-002 5mm flats, final crimp 8mm  
 DS-008 1.4mm flats, final crimp 2.5mm  
 DSR-05 4.5 ring crimp ridge to suit 5mm diameter.  
 DSR-06 5.5 ring crimp ridge to suit 6mm diameter.  
 DSR-08 7.5 ring crimp ridge to suit 8mm diameter.



fig.1

The HDC-1 should be securely mounted to a workbench at an optimum height for easy leverage.

The workpiece to be crimped is simply inserted into the crimping jaws and the lever pulled downwards to crimp. See Fig .1.

## Die Set Replacement.

To replace the die set remove the two cover screws (A) and remove cover plate (B).

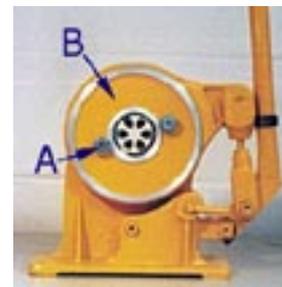


fig.2

The die set can then be removed and a replacement set fitted.

Re-fit cover plate and screws. See Fig. 2.

**Arm up**  
Hex Crimp (6 dies)



**Arm Down**



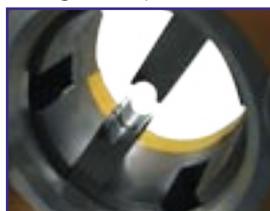
**Die Style**



**Crimp Finish**



**Arm up**  
Ring Crimp (2 dies)



**Arm Down**



**Die Style**



**Crimp Finish**

