



Fig. 1 CR-02 Overview

COIN CELL CRIMPER

- **Pure Manual**
Human power only, no electricity or compressed air required.
- **Hydraulic Actuation**
Huge press force(5 Tons) and smooth compress process makes the crimping work very easy and the crimped curve perfect.
- **Quick Mold Switching**
Crimping mold is just put on platform freely without any fastened, then it's very simple to load and unload the mold. Even different model of cells can be crimped in the meanwhile just with their respective molds.
- **Very Small Size**
Whole device is compact and small, it will save a lot of space when operating in a glove box.

FEATURES AND APPLICATIONS

CR-02 is an innovative crimping device for coin cells and button cells. A hydraulic jack applied here to result enormous press force, due to its capacity is far beyond actual demand, the operator will feel light in handling.

Free and independent mold is an especially creative feature for this equipment. The crimping mold never fixed on the press with any fastener, then operators can load/unload the molds very easily and quickly.

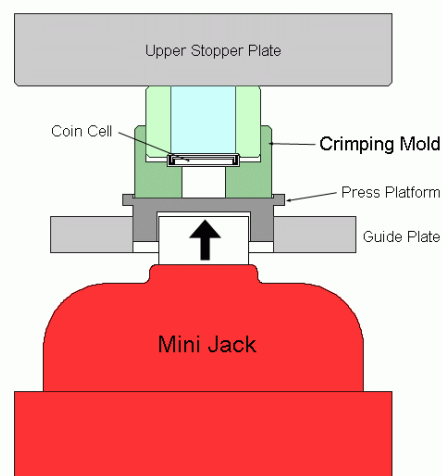


Fig. 2 Components Relationship

OPERATION

Each mold includes 2 parts, the core and the cavity, and their relationship such as Fig.2. For first we put the cell elements into the cavity mold, then add on the core to finish the preparation of crimping, and put the filled mold onto the platform, then pump the hydraulic jack slightly till it touch upper plate, a resistance will start here because the cell's case is going to be crimped inside the mold. Finally, it can't be squeezed any more, release the jack, take out the mold and open it, you will find a crimped coin cell.

(Please refer to: http://www.chenslab.com/lab_equip/download/demo_cr02_320.avi)

SPECIFICATION

- **Dimension**
155W x 110D x 195H mm
- **Weight: 8Kg**
- **Press force: 5 Tons**
- **Material**
Frame: Stainless Steel (SUS 304)
Bottle Jack: Carbon Steel, paint finish
Mold: Carbon Steel For Mold (SKD11)



Fig. 3 Crimper with mold