

# SEMI AUTOMATIC CRIMPING (HF-2000+)

## *Sai Paradise Machine Tools*



### Overview

The semi automatic HF-2000 plus is a versatile and powerful bench top gear driven crimping press. Sets new standards in quality and speed. Use of all common commercial crimping tools so, individual crimps previously done manually can be processed on it with great precision in terms of safety futures. And HF-2000 plus has a safety cover equipped (optional) with a dual channel safety system (RCS) and programmable.

The crimp force analyzer that comes with the crimper detects good and bad wires reliably and provides a detailed description of errors .This uniquely designed for optimal ease of use and change over. This bench top crimping press is integrated with LED lighting source built into the work area to focus on the crimp tooling for optimal visibility.

Bad crimp cutter and a terminal crimp all the integrated in the crimper to boost efficiency and process quality even more. The terminal reel bracket allows for quick change from side to end feed terminal reels. The effective electronic control system operates on 220V 1 Phase power. The HF – 2000 plus features both a forward and reverse jog mode for set-up and resetting of the crimping unit.

The optional crimp force monitor provides for quality monitoring of each crimp.

### Features

1. High Quality Precision Bench Top Crimping
2. Forward and Reverse Jog Mode
3. Built in Light Focused on Crimping Tooling
4. Easy Opening Safety Guard and Quick Release Base (Optional)
5. Integrated Pneumatic Feed System
6. Optional Crimp Force Monitor Available
7. Quick – change applicator base plate
8. Quick – change terminal guides for changing between side & rear feed terminals

9. Counters for lot size, batch size and total machine cycles
10. Variable press cycle speed for difficult applications
11. Jogging function (left / right) with home position display
12. Automatic home position function
13. Fine adjustment of crimping height (micro – adjustment)
14. Strong steel, machined base and frame
15. We can save upto 500 memory

## Applications

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It is used in Wire harness industries, Automobile industries, Home appliance industries, Control panel manufacturing industries.

## Technical Details

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Operating interphase	PLC interface with HMI (Touch Screen)
Maximum sheet Thickness	0.5 mm
Wire Size Range	Upto 12AWG (4.0 sqmm)
Crimping Force	20 KN (4400 Lbs)
Power	746 watts
Power Supply	440V, 6A, 50/60 Hz, 3ph
Stroke	30.0 mm Fixed or 40.0 mm Fixed
Shut Height	135.78mm or 158mm
Noise Level	< 70 db
Counter	Digital
Crimp Height Adjustment	± 0.25mm in increment (approx)
Cycle Time	≤ 1.0 Sec
Operation Mode	pedal
Dimensions (L x W x H)	356 x 280 x 750 mm
Net Weight	75 kgs
Output Range (approx)	3500-4000 pcs per hour (depending on the operator skill)