

SEMI AUTOMATIC CRIMPING (HF - 30000)

Sai Paradise Machine Tools

Overview



The HF-30000 is a servo crimping press. This machine designed for heavy battery terminal crimping process. This machine can crimp upto 10 sq mm cable, sheet thickness of terminal / lug min 1.0mm to 3.0 mm.

Can feed crimp height , digitally in program, and crimp quality monitoring system inbuilt for detecting good and bad wires, and we can save upto 100 recipes. It is very comfortable for changing crimp height or load it can save terminal wise or crossection wise in recipes. Crimping torque data can be monitored in HMI.

The robust electronic control operates on 440V, three phase power. It also features both a forward and reverse jog mode for set up and resetting of the crimping units. A Heavy Duty version is also available for more demanding crimping applications. The HF-30000 also includes a standard pneumatic feed kit for operation of Pneumatic – feed applicator.

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

Features

1. Built in Light Focused on Crimping Tooling
2. Strong steel, machined base and frame
3. Integrated Pneumatic Feed System
4. Automatic home position function
5. Counters for lot size, batch size and total machine cycles variable press cycle speed for difficult applications
6. Inching function for tool setup
7. Fine adjustment of crimping height (micro-adjustment)
8. High Quality precision frame mounted crimping press
9. Pneumatic valve attachment to feed the air feed applicator
10. Dual mode safety switch for operator safety
11. Easy opening safety guard and quick release base (optional)
12. Integrated pneumatic feed system

Applications

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

Technical Details

Operating interphase	PLC interface with HMI (Touch Screen)
Maximum sheet Thickness	3.0 mm
Crimping Force	250 KN (22040 Lbs)
Power	5.0 Kw
Power Supply	440V, 6A, 50/60 Hz, 3ph
Stroke	60 mm
Shut Height	158mm or 190mm
Noise Level	<20 DBA, idle, < 40 DBA crimping
Counter	Digital
Height Adjustment	± 0.25mm in increment (approx)
Cycle Time	Upto 2 sec
Operation Mode	pedal and Automatic start button
Dimensions (L x W x H)	1000 x 1900 x 900 mm
Net Weight	450 kgs
Output Range (approx)	1800 nos per hour