

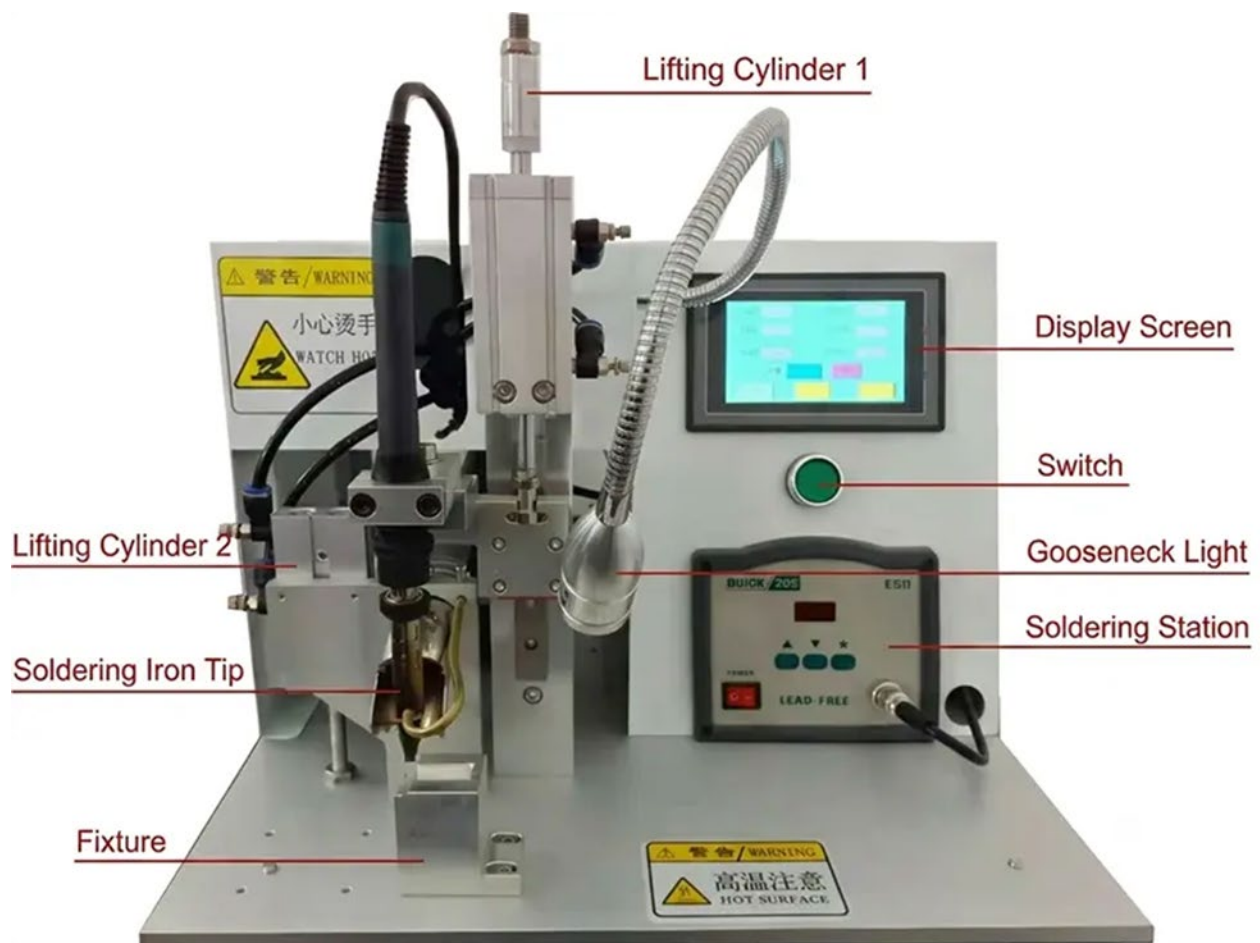
150W Semi-Automatic Soldering Machine

User Manual

*Please read this manual carefully before use.
Keep this manual in a safe place for future reference.*

Thank you for purchasing our soldering machine.

Please read this manual carefully before operation.
After reading, please keep it in a safe place for future reference.
The manufacturer reserves the right of final interpretation.



1. Introduction

The semi-automatic soldering machine is designed for wire soldering and tin feeding in cable processing. It is primarily intended for soldering various types of wires. Custom fixtures can be designed according to different product requirements to solve various soldering challenges, significantly reducing manual labor costs and improving production efficiency.

2. Technical Parameters

Working Voltage	AC 220V / 50Hz
Working Air Pressure	2.5 - 4 kg/cm ²
Rated Power	150W
Weight	20 kg
Overall Dimensions	470 x 400 x 370 mm (W x D x H)
Working Environment	Normal room temperature
Maintenance	Daily maintenance

3. Accessories and Installation

 Images are for reference only. Actual product may vary slightly.

3.1 Accessories

The standard package includes:

- Main unit (host machine)
- Set of hex keys (Allen wrenches)
- Open-end wrench
- Air hose

3.2 Installation

Follow these steps to set up the machine:

- Step 1: Place the equipment on a stable workbench.
- Step 2: Connect the power cable and air supply interface.

4. Function Introduction

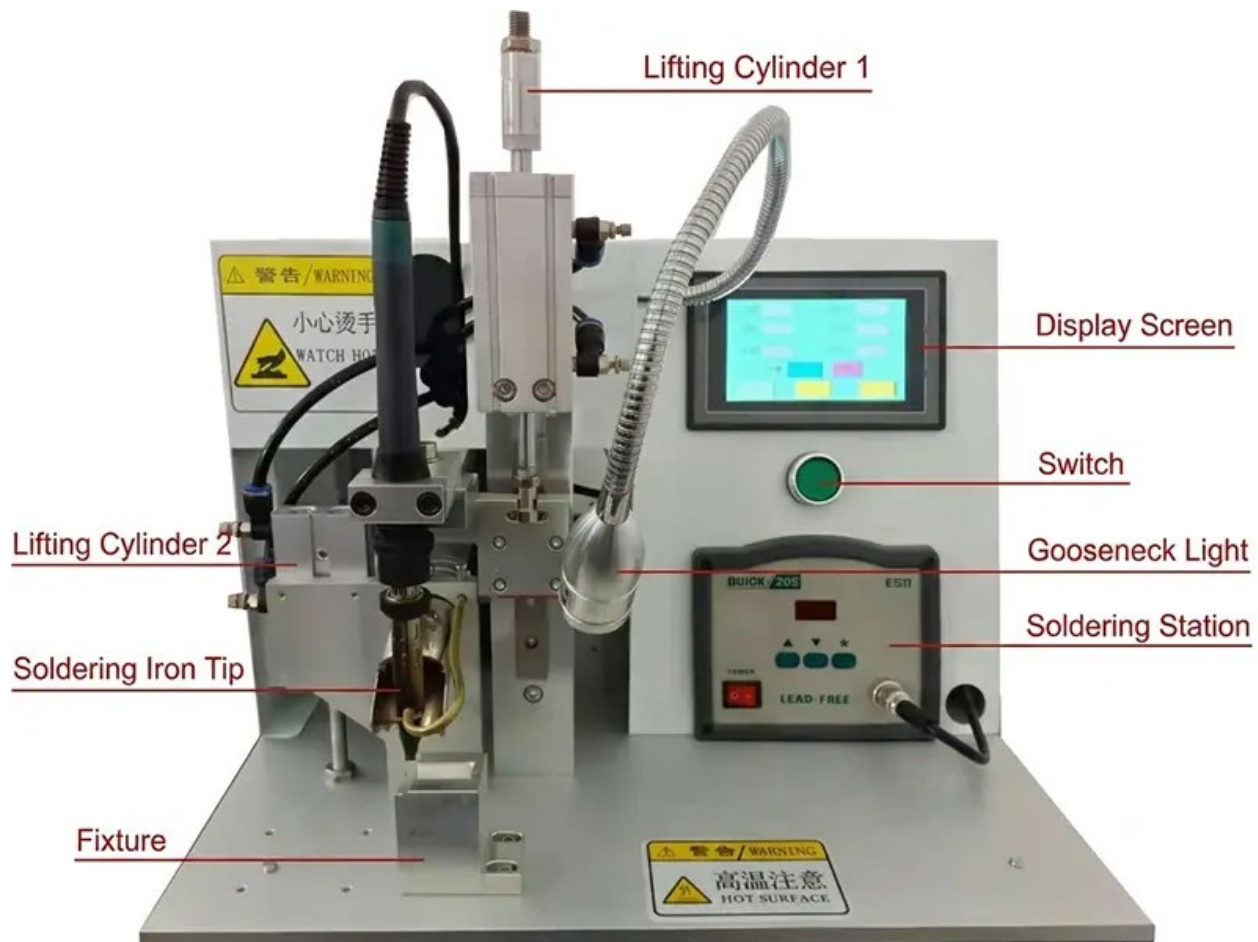


Figure 2: Control panel and component layout

4.1 Lifting Cylinder 1 - Soldering Iron Height

Adjusts the soldering height of the iron tip. Turn the nut on top of the cylinder to control the downward travel of the soldering iron head.

4.2 Lifting Cylinder 2 - Solder Wire Feed Height

Controls the descent height of the solder wire. Adjust the screw rod at the bottom of the cylinder to set the desired feed position.

4.3 Control Display

The digital display allows you to configure the following parameters:

Wire Feed Amount: The length of solder wire fed out per cycle. 1000 = 1mm, 10000 = 10mm, and so on.

Wire Retract Amount: The length the solder wire retracts after soldering is complete. This is factory-set and adjustment is not recommended.

Wire Feed Speed: The speed at which solder wire is fed during the soldering process.

Soldering Time: The duration of each soldering cycle (in seconds).

Retract Delay: The delay before the solder wire retracts after each soldering cycle, ensuring proper positioning for the next cycle (in seconds).

Blow Time: After each soldering cycle, compressed air blows away excess solder residue from the iron tip for clean subsequent operations (in seconds).

4.4 205 High-Frequency Soldering Station

The soldering station features intuitive temperature controls:

▲ : Increase temperature

▼ : Decrease temperature

* : Confirm / Enter setting

5. Pre-Use Precautions

Please observe the following safety precautions before operating the machine.

Carefully inspect the equipment to ensure it is in good condition and all accessories are complete.

Only one trained operator should operate the equipment at a time.

Operators must receive proper training before operating the machine independently.

Ensure the work area is clean, dry, and well-ventilated.

Do not touch the soldering iron tip during or immediately after operation to avoid burns.

Disconnect power and air supply when not in use or during maintenance.

6. Warranty Policy

The product is covered under warranty with the following conditions. In the situations listed below, free warranty service will not be available. If repair is needed, appropriate material and labor costs will apply.

The product has exceeded the warranty period.

The delivery note or warranty card is not available.

Damage caused by failure to follow the instructions in this manual for proper use, maintenance, or care.

Damage caused by unauthorized disassembly, improper repair, or modification by non-authorized personnel.

Damage caused by transportation, dropping, or other actions not attributable to the manufacturer or authorized dealers.

Damage caused by force majeure events such as lightning, fire, earthquake, flooding, etc.

Damage caused by the buyer's own actions or third parties.

Soldering iron tips are consumable items and are not covered under warranty.