

ST-700

INTELLIGENT HEAT SHRINK MACHINE



Operation Guide

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1. Equipment Introduction

This equipment is suitable for hot fitting tool holders made of various materials such as alloy steel and stainless steel.

Rapid heating: Using high-frequency induction coils to generate high-frequency eddy currents, the tool holder is quickly heated, improving tool changing efficiency.

Rapid cooling: Using compressed air to cool down and rapidly lower the handle to room temperature.

Equipment parameters:

Input voltage	AC110- 220V/50Hz
Net weight	25KG
Sintering range	Stainless Steel D3-D32 Alloy Steel D3-D32
Coil height	64mm
Equipment size	500*400*750mm
Power	6.5KW
Lift stroke	10-400mm
Coil aperture	Conical induction coil with a diameter of 56mm

2. Precautions and Preparation before Use

- 1 This device is connected to a single-phase 220V power supply.
- 2 Please use a 4mm² wire to connect the power cord and ensure that the ground wire (PE) is properly grounded.
- 3 Prohibit equipment from starting without load (without a handle placed inside the induction coil)
- 4 Personnel who have had their hearts supported and are wearing metal objects are prohibited from approaching this device.
- 5 Compressed air should be used to separate oil and water, ensuring that the surface of the electromagnetic coil is clean and dry.
- 6 When replacing the coil, it is necessary to ensure that the coil is fully inserted into the female seat and the nut is locked tightly without loosening.
- 7 Try not to overheat the tool holder or handle (until it turns red)
- 8 Before using this device, please read this manual carefully. If you have any operational questions, please contact the manufacturer.

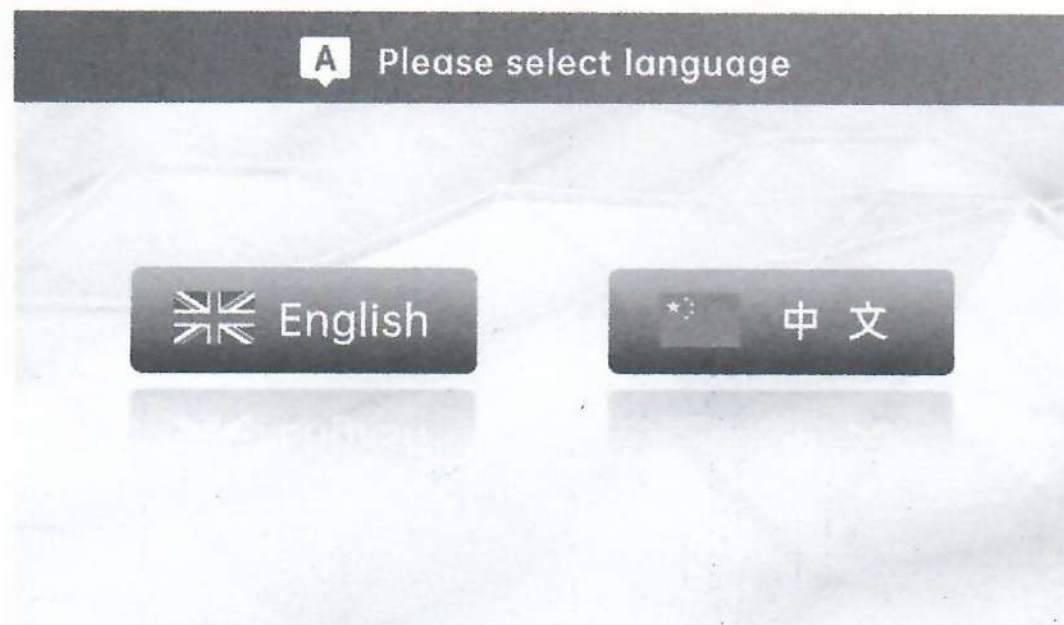
3.Explanation of the operating interface

1. Turn on the power switch and enter the precautions



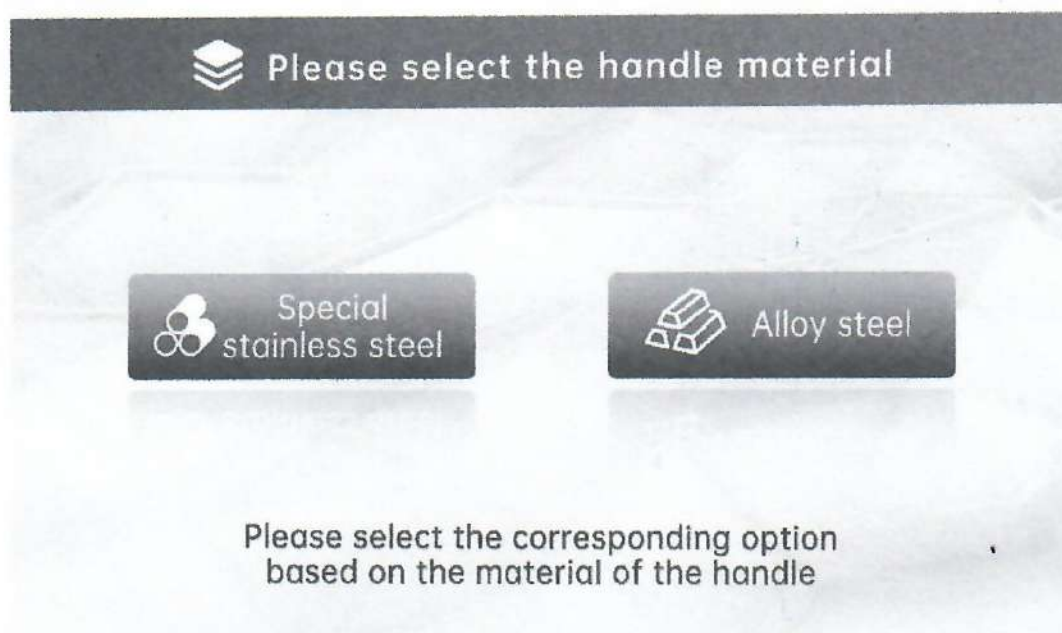
※ Click ✓ to enter the next operation interface

2. Language selection interface



※ You can choose between Chinese or English

3. Select Material Interface

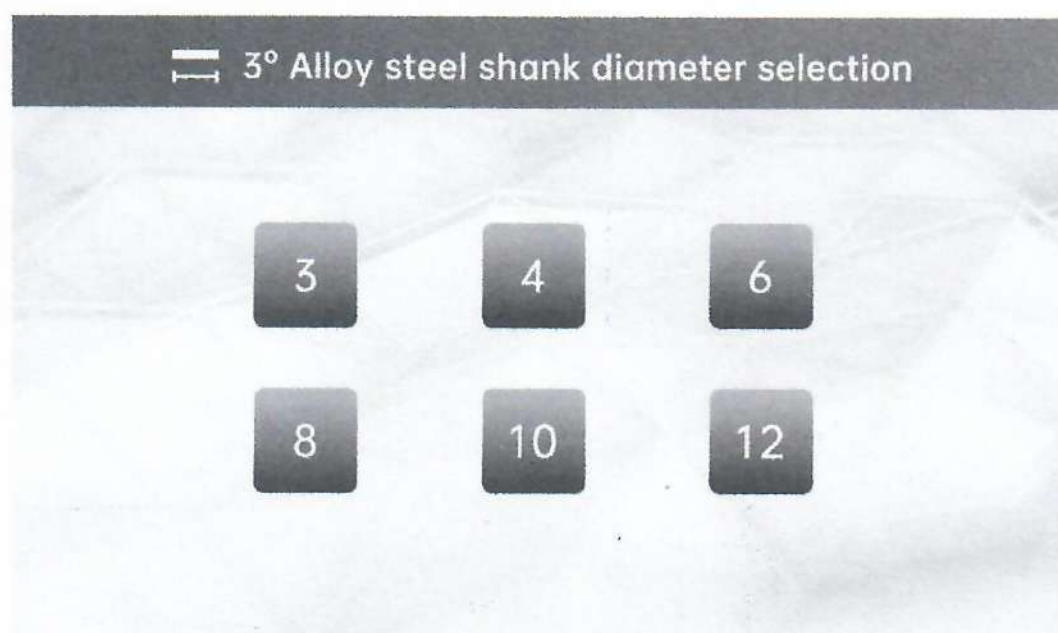
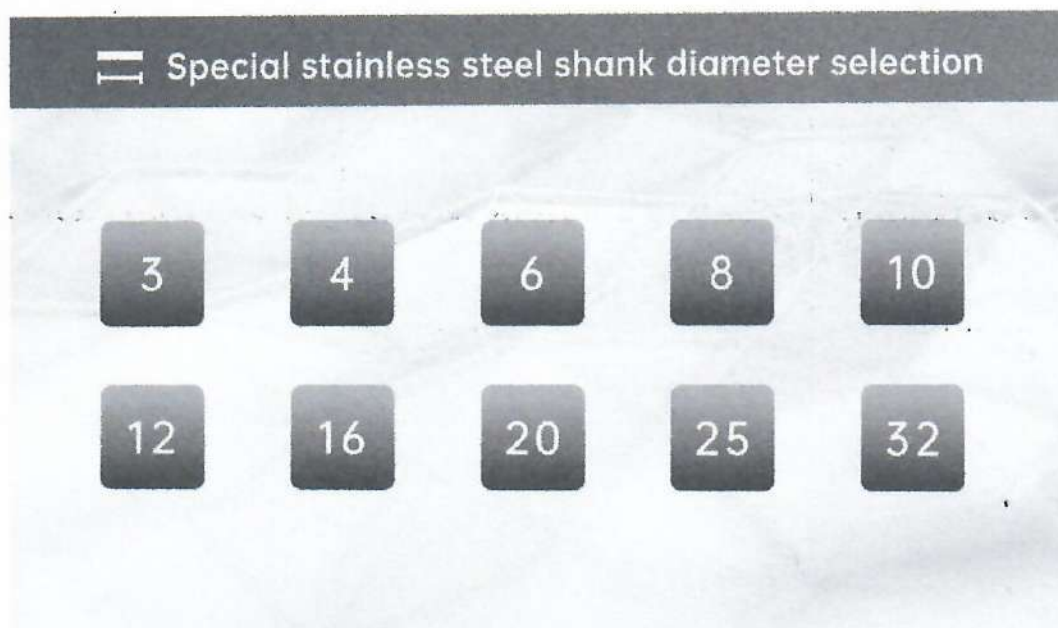


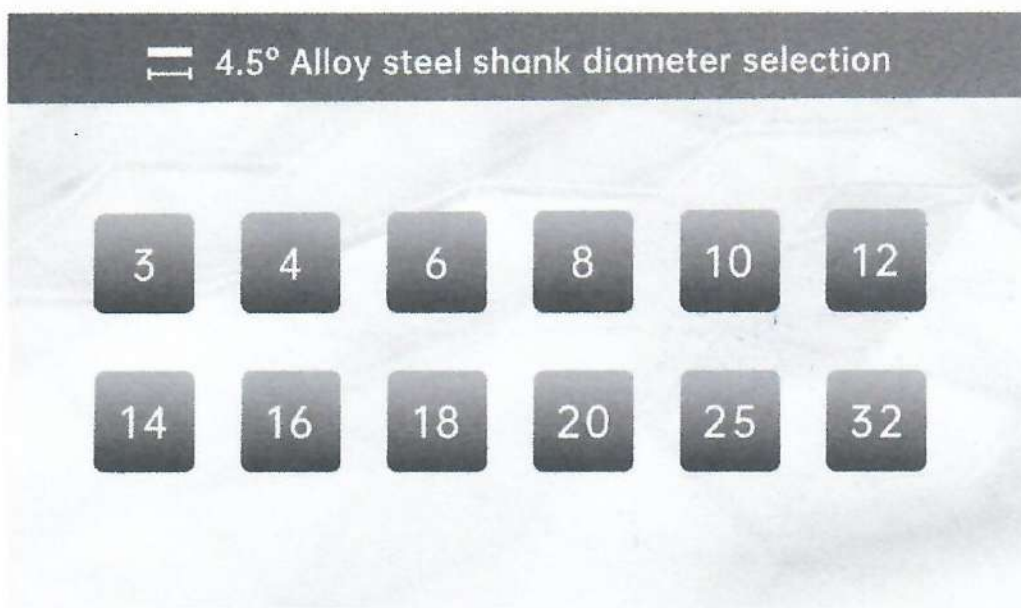
※ Corresponding knife handle material selection (incorrect material selection may result in overburning or inability to heat)

4. Alloy steel model selection interface



5. Select the milling cutter shank diameter interface





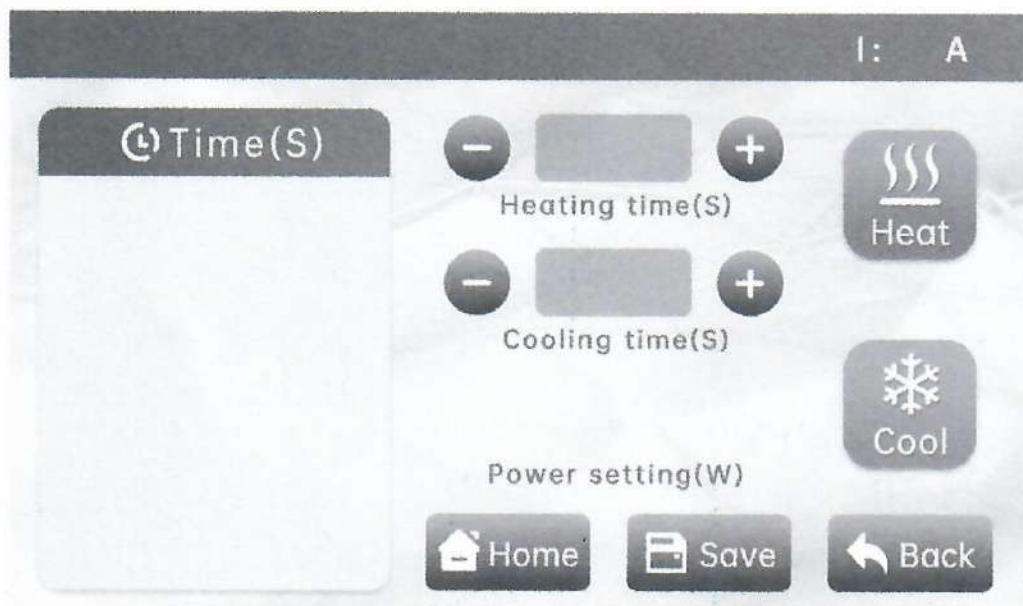
Attention:

Stainless steel heating range: D3-D32

Alloy steel lightweight 3 ° heating range: D3-D12

Alloy steel standard type 4.5 ° heating range: D3-D32

6. Operation interface



The selected parameters will be displayed in the upper left corner of the operation interface. Please confirm if they match the tool handle!

1. Homepage: Click the homepage button to return to the language selection interface.
2. Save: Click the save button to save the heating and cooling parameters of this page to the system.
3. Return: Click the return button to return to the previous page, the milling cutter shank diameter page.
4. Power setting: It is recommended to choose the default power of the system (to prevent excessive burning of the tool handle).

Note: The heating position of the knife handle should be flush with the groove inside the heating coil!

4. Equipment accessories

Random attachments		
1	Lock knife holder	Standard configuration(1 free)
2	power cord	16A
Optional Accessories		
3	Knife pliers (D3-D12)	Optional selection
4	Milling cutter retaining spring (D3-D12)	Optional selection
5	Air filter	Optional selection

5. Precautions

- ① When installing cutting tools, it is necessary to clean the handle holding hole and tool handle diameter to avoid affecting the accuracy of tool installation.
- ② Please place the device in a safe and appropriate place, and keep the surroundings dry.
- ③ After disassembling the tool, do not touch it directly with your hands to avoid burns. For safety reasons, wear insulated gloves when disassembling the tool.
- ④ After heating, the tool holder, handle, and cutting tool are all at high temperature. When moving, avoid touching the induction coil housing to prevent the coil housing from burning or deforming.
- ⑤ The equipment must be placed on a sturdy and flat workbench, without the risk of vibration and tipping.
- ⑥ Flammable and explosive materials should not be prevented on the equipment workbench and should be kept away from sources of fire.
- ⑦ When cleaning, maintaining, and repairing equipment, the main power switch must be turned off. Please turn off the main power when the device is not in use for a long time.

Please read this manual carefully. Due to improper operation or equipment failure, please contact the manufacturer in a timely manner. Do not operate or disassemble the equipment without authorization.

