

## TOAUTO SG-WT90CT-110

# TOAUTO SG-WT90CT-110 Hot Foil Stamping Machine User Manual

Model: SG-WT90CT-110

## 1. INTRODUCTION

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This manual provides detailed instructions for the safe and effective operation, setup, and maintenance of your TOAUTO SG-WT90CT-110 Hot Foil Stamping Machine. This machine is designed for hot foil stamping and embossing on various materials such as PVC, wood, PU leather, paper, and plastic. Please read this manual thoroughly before using the machine to ensure proper function and safety.

## 2. SAFETY INSTRUCTIONS

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- **Electrical Safety:** Ensure the machine is connected to a grounded 110V power outlet. Do not operate with wet hands or in damp conditions. Disconnect power before cleaning or maintenance.
- **Hot Surfaces:** The heating plate reaches high temperatures (up to 300°C / 572°F). Avoid direct contact with the heating plate during operation and cool-down. Use caution when handling dies and materials.
- **Moving Parts:** Keep hands and loose clothing clear of moving parts during operation.
- **Ventilation:** Operate the machine in a well-ventilated area to dissipate any fumes from materials or foil.
- **Children and Pets:** Keep the machine out of reach of children and pets.
- **Stable Surface:** Always place the machine on a stable, level, and heat-resistant surface.

## 3. PRODUCT COMPONENTS

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Familiarize yourself with the main components of your hot foil stamping machine:

- **Heating Plate:** The upper plate that heats the die.
- **Pressure Handle:** Used to apply downward pressure for stamping.
- **Temperature Controller:** Digital display and controls for setting temperature.
- **Height Adjustment Knob:** For adjusting the distance between the heating plate and the worktable.
- **Drawer-type Printing Worktable:** Movable base plate for precise material placement.
- **Bronzing Bracket:** Holds the foil roll.
- **T-Slot:** For securing letter dies.

- **Base Plate:** Features a grid for accurate positioning.



**Figure 3.1:** General view of the TOAUTO SG-WT90CT-110 Hot Foil Stamping Machine, showing its main components including the heating plate, pressure handle, and worktable.

## 4. SETUP

### 4.1 Unpacking and Placement

- Carefully remove all components from the packaging.
- Place the machine on a sturdy, level, and heat-resistant workbench.

### 4.2 Installing the Bronzing Bracket

- Attach the bronzing bracket to the designated slot on the machine.
- Insert your bronzing paper roll into the bracket, ensuring it feeds smoothly and is positioned within 8cm for convenient use.

### 4.3 Adjusting Height

- Use the convenient knob to adjust the height of the heating plate. This allows for quick and easy adjustment to accommodate different material thicknesses.



**Figure 4.1:** The height adjustment knob, providing quick and easy control over the distance between the heating plate and the worktable.

### 4.4 Connecting Power

- Plug the power cord into a standard 110V grounded electrical outlet.

## 5. OPERATING INSTRUCTIONS

### 5.1 Power On and Temperature Setting

- Turn on the power switch. The digital temperature controller will illuminate.
- Set the desired temperature using the controls. The machine features double heating wires for rapid heating, reaching 150°C in approximately 2 minutes. The temperature can be set freely between 0-300°C.

### 5.2 Loading Dies

- The machine supports two modes of use: a brass T-slot for letter dies and custom molds.
- Secure your chosen die (letter die or custom mold) to the heating plate. Ensure it is firmly attached and properly aligned.

### 5.3 Material Placement and Stamping

- Pull out the drawer-type printing worktable. This allows for convenient placement of your product and die.
- Place the material (e.g., leather, paper, wood) on the worktable. Use the full-scale base plate with its grid markings for precise positioning of your stamping pattern.
- Position the bronzing foil over the material if hot foil stamping.
- Carefully slide the worktable back into position, ensuring the material and die are correctly aligned under the heating plate.
- Slowly and firmly press down the pressure handle to apply even pressure. The duration and pressure required will vary based on the material and desired effect.
- Lift the handle and carefully remove the stamped material.



Figure 5.1: The removable drawer-type printing worktable, designed for easy and precise placement of materials.

Install the bronzing bracket and place bronzing paper within 8cm to make bronzing more convenient



Two modes of use:  
flat die and movable type

Stable temperature: 0-300°C  
can be set freely ; Two heating wires :  
the heating speed is faster,  
reaching 150°C in 2 minutes



**Figure 5.2:** Details of the bronzing bracket for foil, the T-slot for letter dies, and the double heating wires for efficient temperature control.

#### 5.4 Applicable Materials

The TOAUTO SG-WT90CT-110 is suitable for stamping on a variety of materials, including but not limited to:

- PU Leather
- PVC
- Wood
- Paper
- Plastic
- Business Cards

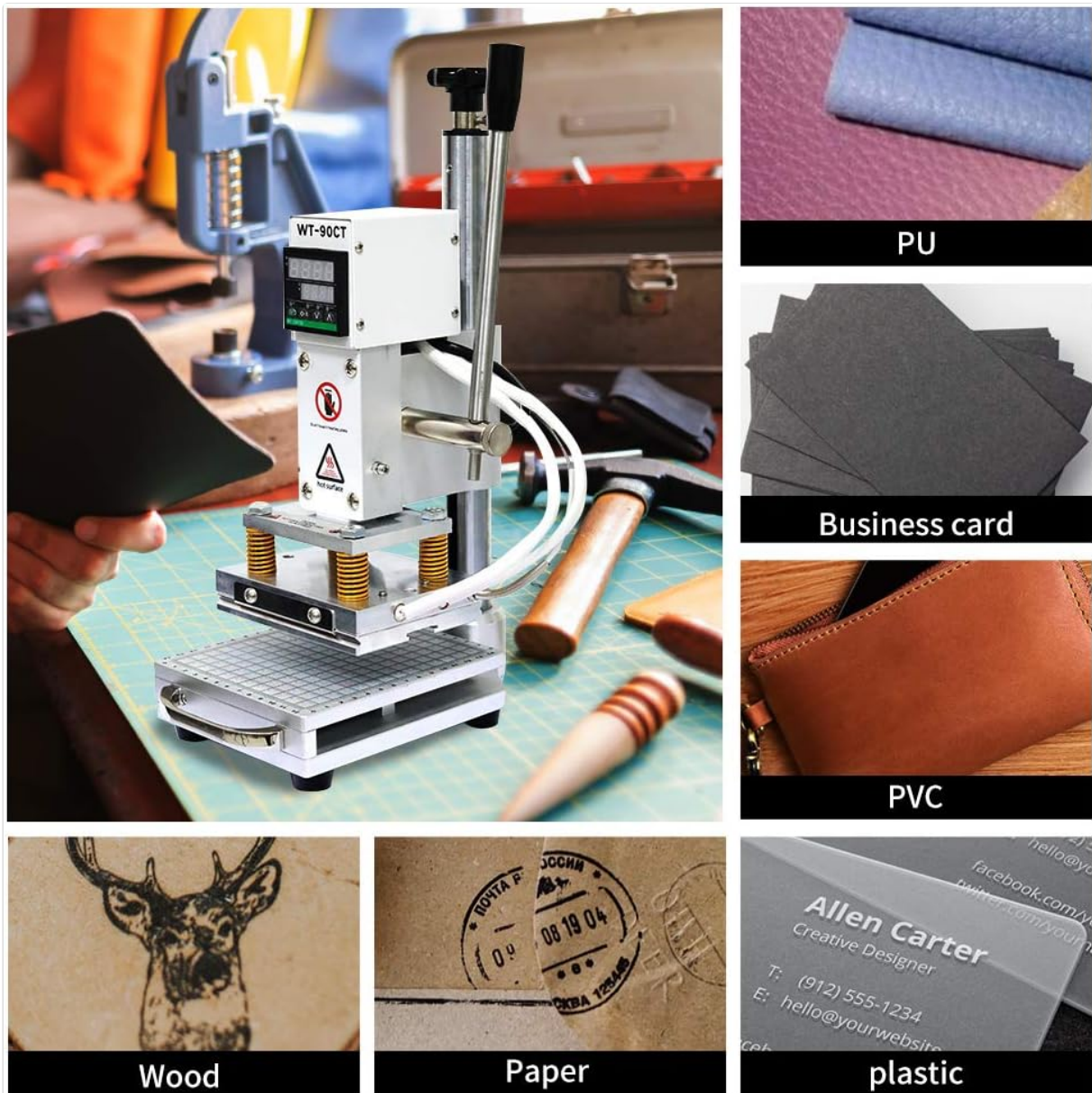


Figure 5.3: Visual examples of various materials compatible with the hot foil stamping machine.

## 6. MAINTENANCE

- **Cleaning:** Ensure the machine is unplugged and completely cooled before cleaning. Use a soft, dry cloth to wipe down surfaces. Avoid abrasive cleaners or solvents.
- **Storage:** Store the machine in a dry, dust-free environment when not in use.
- **Inspection:** Periodically check all connections and moving parts for wear or damage.

## 7. TROUBLESHOOTING

- **Machine Not Heating:** Check power connection and ensure the power switch is on. Verify temperature settings.
- **Uneven Stamping:** Ensure the material is flat and evenly placed. Check that the die is securely attached and the height adjustment is appropriate for the material thickness. Apply consistent pressure.
- **Foil Not Adhering/Too Much Adhesion:** Adjust temperature settings and pressure. Different materials and foils require different settings. Experiment with scrap pieces first.
- **Machine Tipping:** Ensure the machine is placed on a stable, heavy surface.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	SG-WT90CT-110
Voltage	110 Volts
Wattage	500 watts
Upper Temperature Rating	572 Degrees Fahrenheit (300°C)
Product Dimensions (Overall)	5.51 x 8.86 x 14.17 inches (14 x 22.5 x 36 cm)
Item Weight	15.52 pounds
Material	Polyvinyl Chloride (machine components)
Recommended Uses	Commercial



Figure 8.1: Key dimensions of the TOAUTO SG-WT90CT-110 Hot Foil Stamping Machine.

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or assistance with your TOAUTO SG-WT90CT-110 Hot Foil Stamping Machine, please refer to the contact information provided with your purchase or visit the official TOAUTO website. Protection plans may be available for extended coverage.