

## Hanchen HC-55M

# Hanchen HC-55M Manual Liquid Filling Machine User Manual

Model: HC-55M

## 1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, maintenance, and troubleshooting of your Hanchen HC-55M Manual Liquid Filling Machine. Please read this manual thoroughly before operating the machine to ensure proper usage and to prevent damage or injury.



Figure 1: Overview of the Hanchen HC-55M Manual Liquid Filling Machine.

## 2. SAFETY INSTRUCTIONS

- Always ensure the machine is stable on a flat, sturdy surface before operation.
- Wear appropriate personal protective equipment (PPE) such as gloves and eye protection when handling liquids or cleaning the machine.
- Do not use the machine for highly corrosive, flammable, or explosive liquids.
- Keep hands and loose clothing away from moving parts during operation.
- Clean the machine thoroughly after each use, especially when changing liquid types, to prevent cross-contamination.
- Keep out of reach of children.

## 3. PACKAGE CONTENTS

Verify that all components are present upon unpacking:

- Hanchen HC-55M Manual Liquid Filling Machine (Main Unit)
- Stainless Steel Hopper
- Filling Nozzle (8mm installed)
- Additional Filling Nozzle (4mm)
- Hexagon Wrenches (#1, #2)
- Spare Sealing Rings (various sizes)
- User Manual



Figure 2: Included accessories and spare parts.

## 4. PRODUCT FEATURES

- **Versatile Application:** Suitable for various liquids and pastes such as wine, gel, shampoo, cream, sesame paste, ketchup, and honey. Not suitable for materials with seeds or chunks.
- **Durable PTFE Piston:** Features a PTFE piston with chemical resistance, wear resistance, high toughness, and strength. The piston is precisely ground to fit the hopper, reducing friction and making operation smoother.
- **Robust Construction:** Internal gear is made of steel for enhanced durability and stability. The filling nozzle is constructed from 304 stainless steel.
- **Easy Operation:** Manual operation requires no air compressor. Simply press the handle to dispense.
- **Food-Grade Materials:** Adheres to GMP requirements, utilizing food-grade materials to ensure hygienic and contamination-free filling.

# HIGH QUALITY MATERIALS

Austenitic 304 Stainless Steel & Silicone



**Meet GMP Requirements**

Adopts food grade material to ensure hygiene and contamination-free filling.

Figure 3: High-quality materials used in construction.



Figure 4: Suitable applications for the filling machine.

# PISTON STRUCTURE

Get Hanchen manual filling machine to handle water to high viscosity products.



Figure 5: Detailed view of the piston structure.



# REMOVABLE SPEING

If needed, the spring can be removed to reduce resistance when pressing.



Figure 6: The removable spring can reduce pressing resistance.

## 5. ASSEMBLY AND SETUP

1. Unpack all components and verify against the package contents list.
2. Place the main unit on a stable, level surface.
3. Attach the stainless steel hopper to the main unit. Ensure it is securely fastened.
4. Ensure the desired filling nozzle (8mm or 4mm) is securely attached to the dispensing outlet.
5. Before first use, thoroughly clean all parts that will come into contact with the product.

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Video 1: This video demonstrates the general assembly and initial setup of the Hanchen Manual Liquid Filling Machine, including attaching the hopper and preparing for operation.

## 6. OPERATION

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1. Pour the liquid or paste into the stainless steel hopper.
2. Place the container to be filled directly under the filling nozzle.
3. Gently press down the operating handle to initiate the filling process. The piston will dispense the set volume of product.
4. Release the handle to allow the piston to return and refill for the next cycle.
5. Repeat the process for each container.

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Video 2: This video demonstrates the manual operation of the Hanchen Liquid Filling Machine, showing how to press the handle to dispense liquid into cups.

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Video 3: This video illustrates the filling process for 5-50ml of liquid or paste, highlighting the machine's accuracy.

## 7. ADJUSTMENT

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The Hanchen HC-55M allows for precise adjustment of the filling volume (5-55ml).

### 7.1 Volume Adjustment

- Locate the adjustment screw on the side of the machine.
- Rotate the large fixed screw down to adjust the upper adjustment screw. Turning the screw clockwise will decrease the filling amount, and counter-clockwise will increase it.
- Use the integrated ML and FL.OZ scale as a reference, but fine-tune the volume by performing test fills and measuring the output with a scale for optimal accuracy.

# ML & FL.OZ SCALE

*There are two scales: ml and oz.  
The minimum scale is 1ml.*

*\*Recommended filling range: 5-60ml*



Figure 7: The ML and FL.OZ scale for setting desired filling volume.



# CLASSIC SCREW ADJUSTMENT

## Up and down double screw adjustment



Ensures no displacement of screw and gear

**Lock screw**

Figure 8: The classic screw adjustment ensures no displacement of the screw and gear.

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Video 4: This video demonstrates how to adjust the upper adjustment screw to control the filling amount.

## 8. CLEANING AND MAINTENANCE

Regular cleaning and maintenance are crucial for the longevity and hygienic operation of your filling machine.

### 8.1 Disassembly for Cleaning

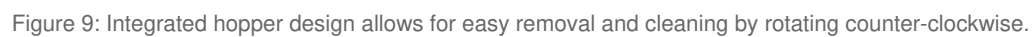
1. Ensure the machine is empty of product.

2. To remove the hopper, rotate it counter-clockwise.
3. Carefully remove the hopper and any other detachable parts that come into contact with the product.
4. **Important:** Do not loosen the four screws on the square block of the main unit, as this can cause the internal spring to dislodge, making reassembly difficult.

## 8.2 Cleaning Procedure

- Wash all disassembled parts with warm, soapy water. Use a soft brush if necessary to remove any residue.
- Rinse thoroughly with clean water to remove all soap residue.
- Allow all parts to air dry completely or dry with a clean cloth before reassembly.
- For reassembly, align the hopper and rotate clockwise until secure.

## Integrated Hoppe



Video 5: This video demonstrates the disassembly of the hopper for cleaning. Note the warning about not loosening the four screws on the square block.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Inconsistent filling volume	Improper volume adjustment; air bubbles in product; product viscosity changes.	Re-adjust the volume using a measuring scale for accuracy. Ensure product is free of large air bubbles. Maintain consistent product viscosity.
Product leakage from nozzle	Worn or improperly seated sealing rings; nozzle not tightened; product too thin.	Check and replace sealing rings if worn. Ensure nozzle is securely tightened. For very thin liquids, consider a different filling method or machine designed for low viscosity.
Handle is stiff or difficult to press	Accumulated residue; spring resistance; lack of lubrication.	Clean the piston and cylinder thoroughly. If resistance is still high, the spring can be removed (refer to Figure 6). Apply food-grade lubricant to moving parts if necessary.
No product dispensed	Hopper empty; blockage in nozzle or piston; improper assembly.	Refill hopper. Check for and clear any blockages. Verify all parts are correctly assembled.

## 10. SPECIFICATIONS

- **Model:** HC-55M
- **Filling Range:** 5-55ml
- **Material:** SUS304 Stainless Steel (contact parts)
- **Hopper Capacity:** 2.6 Gallons
- **Product Dimensions:** 29.53"W x 12.99"H (Overall)
- **Item Weight:** 22 Pounds
- **Manufacturer:** Hanchen









## 11. WARRANTY AND SUPPORT

Hanchen provides a **TWO-YEAR warranty** for this product. This warranty covers manufacturing defects and ensures lifetime technical support. For any questions, technical assistance, or warranty claims, please contact Hanchen customer service. Our support team aims to respond within 24 hours. A repair warehouse is available in the United States for service needs.

For further assistance, please visit the official Hanchen store: [Hanchen Store on Amazon](#).

### Related Documents - HC-55M

	<p><a href="#">Hanchen Liquid Filling Machine User Manual</a></p> <p>This user manual provides comprehensive instructions for operating and maintaining the Hanchen Liquid Filling Machine. It covers technical parameters, performance characteristics, installation, control panel functions, operation procedures, frequently asked questions, troubleshooting, and appendices.</p>
	<p><a href="#">Hanchen GFK-160A Liquid Filling Machine User Manual</a></p> <p>User manual for the Hanchen GFK-160A Liquid Filling Machine, detailing its features, parameters, operation, troubleshooting, and maintenance.</p>
	<p><a href="#">Hanchen Automatic Gate Opener Installation Guide</a></p> <p>Comprehensive installation guide for the Hanchen Automatic Gate Opener, covering package contents, tools, wiring, and parameter settings for optimal operation. Includes helpful video resources.</p>
	<p><a href="#">Acer One Z14-55M User Manual</a></p> <p>Comprehensive user manual for the Acer One Z14-55M laptop, covering setup, operation, safety, and troubleshooting.</p>