

## Changhe CHS020

# Changhe Electric Knife Sharpener CHS020 User Manual

Model: CHS020 | Brand: Changhe

## 1. INTRODUCTION

Thank you for choosing the Changhe Electric Knife Sharpener CHS020. This manual provides essential information for the safe and effective operation, maintenance, and care of your new electric knife sharpener. Please read these instructions thoroughly before first use and retain them for future reference.

This 3-stage electric knife sharpener is designed to restore and maintain the sharpness of most non-serrated steel and ceramic kitchen knives, utilizing 100% diamond abrasives and a precise 15° sharpening angle.

## 2. SAFETY INSTRUCTIONS

**Please read and understand all safety warnings before using this appliance.**

- Always ensure the sharpener is placed on a stable, flat, and dry surface during use.
- Keep hands and fingers away from the sharpening slots while the unit is operating.
- Unplug the sharpener from the power outlet when not in use, before cleaning, or when changing accessories.
- Do not immerse the sharpener in water or any other liquid. Do not operate with wet hands.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Do not sharpen serrated knives, scissors, or any blades other than those specified in this manual.
- Avoid applying excessive pressure when sharpening, as this can damage the knife blade or the

sharpener.

- Ensure the power cord is not damaged, pinched, or run over by heavy objects.
- If the appliance malfunctions, is dropped, or damaged in any way, discontinue use immediately and contact customer support.

### 3. PRODUCT OVERVIEW



Figure 3.1: Changhe Electric Knife Sharpener in operation.

The Changhe Electric Knife Sharpener CHS020 features a robust design for efficient and precise knife sharpening. Key components and features include:

- **3-Stage Sharpening System:** Dedicated slots for Coarse grinding, Fine grinding, and Polishing.
- **100% Diamond Abrasives:** Utilizes durable diamond wheels for effective material removal and edge creation.
- **15° Precision Angle Guide:** Ensures consistent and optimal sharpening angles for a razor-sharp edge.

- **Versatile Compatibility:** Suitable for sharpening both stainless steel and ceramic knives.
- **Magnetic Chip Collection Box:** A removable tray located at the bottom collects metal shavings for easy cleanup.



Figure 3.2: Detailed view of the three sharpening stages.

Each stage is designed for a specific purpose:

1. **Stage 1 (Coarse - 240# Diamond):** For dull or damaged knives, establishing a new edge.
2. **Stage 2 (Fine - 600# Diamond):** For daily maintenance and refining the edge.
3. **Stage 3 (Polish - 1000# Resin):** For polishing the blade to a mirror-like finish, enhancing sharpness and appearance.



Figure 3.3: The sharpener is compatible with both steel and ceramic knives.

The sharpener is suitable for most kitchen knives made of stainless steel or ceramic. It **is not** designed for serrated knife blades.

## 4. SETUP

1. Unpack the Changhe Electric Knife Sharpener and remove all packaging materials.
2. Place the sharpener on a clean, dry, and stable countertop or work surface. Ensure there is enough space around the unit for safe operation.
3. Plug the power cord into a standard AC100-120V / 60Hz electrical outlet.
4. Ensure the power switch is in the 'OFF' position before plugging in.

## 5. OPERATING INSTRUCTIONS

Follow these steps to sharpen your knives effectively:

### General Sharpening Guidelines:

- Always start with a clean knife blade.
- Turn the sharpener ON using the power switch. The indicator light will illuminate.
- Hold the knife firmly by the handle.
- Insert the knife blade into the appropriate sharpening slot, ensuring the blade is centered and resting against the angle guide.
- Pull the knife slowly and steadily through the slot, from the heel to the tip of the blade. Maintain light, consistent downward pressure.
- Repeat the process, alternating between the left and right sides of the slot for an even edge.
- The number of passes depends on the dullness of the knife. For very dull knives, more passes may be required in the coarse stage.
- After sharpening, always wipe the blade clean with a damp cloth to remove any metal particles.



Figure 5.1: Proper knife insertion into the sharpening slots.

### Step-by-Step Sharpening Process:

### 1. For Very Dull or Damaged Knives (Initial Sharpening):

Use **Stage 1 (Coarse)**. Make 5-10 slow passes through the left slot, then 5-10 slow passes through the right slot, alternating sides. Apply moderate downward pressure.

### 2. For Moderately Dull Knives or Daily Maintenance:

Use **Stage 2 (Fine)**. Make 3-5 slow passes through the left slot, then 3-5 slow passes through the right slot, alternating sides. Apply light downward pressure.

### 3. For Polishing and Finishing the Edge:

Use **Stage 3 (Polish)**. Make 1-2 very light passes through the left slot, then 1-2 very light passes through the right slot, alternating sides. This stage refines the edge and provides a polished finish.

**Important: Always pull the knife towards you. Never push the knife away from you through the sharpening slots.**

### Demonstration Video:

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Video 5.1: A demonstration of the electric knife sharpener in use, showing the sharpening process for various knives.

## 6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your sharpener.

### Cleaning the Magnetic Chip Collection Box:

1. Ensure the sharpener is unplugged from the power outlet.
2. Locate the magnetic chip collection box on the underside of the unit.
3. Gently slide out the collection box.
4. Empty any accumulated metal shavings into a waste bin.
5. Wipe the box clean with a dry cloth.
6. Slide the collection box back into its position until it clicks securely.

Rated Current: **140 mA**

Rated Power: **18W**

Rated Voltage: **AC100-120V / 60Hz**

Rotational Speed: **2800rpm**



Figure 6.1: Magnetic chip collection box for easy cleaning.

### General Cleaning:

- Wipe the exterior of the sharpener with a soft, damp cloth. Do not use abrasive cleaners or immerse the unit in water.
- Ensure the unit is completely dry before storing or next use.

## 7. TROUBLESHOOTING

If you encounter issues with your sharpener, please refer to the following common solutions:

- **Unit does not turn on:** Ensure the power cord is securely plugged into a working electrical outlet and the power switch is in the 'ON' position. Check if the outlet is functional by plugging in another appliance.
- **Knives are not sharpening effectively:**
  - Ensure you are using the correct sharpening stage for the knife's dullness.
  - Verify that you are pulling the knife slowly and consistently through the slots, applying light to moderate pressure as appropriate for the stage.
  - Make sure you are alternating sides evenly to create a symmetrical edge.
  - Confirm the knife type is compatible (not serrated).
- **Excessive noise or vibration:** Discontinue use immediately. Unplug the unit and inspect for any visible obstructions or damage. If the issue persists, contact customer support.

For issues not covered here, please contact Changhe customer support.

## 8. SPECIFICATIONS

| Feature            | Specification                              |
|--------------------|--|
| Model Number       | CHS020                                     |
| Brand              | Changhe                                    |
| Material           | Diamond Abrasive                           |
| Color              | Silver+Black                               |
| Product Dimensions | 10.4" L x 4.2" W x 3.7" H                  |
| Grit Type          | Coarse (240#), Medium (600#), Fine (1000#) |
| Item Weight        | 2.79 pounds                                |
| Rated Current      | 140 mA                                     |
| Rated Power        | 18W  |
| Rated Voltage      | AC100-120V / 60Hz                          |
| Rotational Speed   | 2800rpm                                    |

## 9. WARRANTY AND SUPPORT

For warranty information, product support, or to inquire about replacement parts, please contact Changhe customer service directly. Refer to the product packaging or the official Changhe website for the most up-to-date contact details.