

Hammer Mill Instruction Manual

1. Structure & How It Works

A hammer mill has several main parts: base, rotor, operating door, upper housing, feed guide, and screen clamp.

Material enters the crushing chamber. High-speed hammers hit it, and the screen rubs against it. Gradually, the material breaks down. Particles smaller than the screen openings pass through and discharge. Larger pieces stay inside for more crushing.

2. Safety Rules

- Only trained operators can run the machine.
- Never open the operating door while it's running.
- Do not put hands or tools into the feed inlet or crushing chamber.
- Keep the workspace ventilated. Have a fire extinguisher nearby.
- The motor must be grounded to prevent electric shock.
- Wear safety glasses, gloves, and hearing protection.

3. Installation & Setup

Mount the hammer mill on a solid concrete or steel base. Make sure it's level.

Check all bolts and belt tension.

Run the machine empty for 2–3 minutes. Listen for strange noises. If everything is normal, you can start feeding material.

4. Operating Steps

- 1.Before starting, check the hammers and screen. Make sure the crushing chamber is empty.
- 2.Start the motor. Let it run empty for 1–2 minutes.
- 3.Feed material evenly. Don't dump too much at once.
- 4.Watch the current. It must not exceed the rated value.
- 5.If you hear noise or feel vibration, stop immediately.
- 6.To stop: stop feeding first. Let the machine run empty for 2–3 minutes to clear material. Then turn off power and clean.

5. Technical Specifications

Use the actual data from the table below:

Model	Power (kW)	Voltage	Hammers (pcs)	Capacity	Machine Dim. (mm)	Weight (kg)
LV-350	4	220/380V 50/60Hz	24	500 kg/h	1150×880×1480	55
LV-400	7.5	380V 50/60Hz	16	600-1000 kg/h	1280×1000×1550	110
LV-420	11	380V 50/60Hz	16	800-1500 kg/h	1150×1100×900	230
LV-500	15	380V 50/60Hz	24	1000-2000 kg/h	2120×1300×2060	338
LV-600	30	380V 50/60Hz	36	2000-3000 kg/h	2000×1520×2200	500
LV-700	50	380V 50/60Hz	32	2500-4500 kg/h	2650×1750×2400	650

Note: LV-420 has double inlet and double outlet.

6. Maintenance

- Check hammers every shift. Replace or flip them when worn to the centerline.
- If the screen is damaged, repair or replace it.
- Add grease to bearings every two months (No. 3 or No. 4 calcium-based grease).

- Clean dust and leftover material inside the machine regularly.

7. Troubleshooting

Problem	Possible Cause	Solution
Low output	Worn hammers or clogged screen	Replace hammers; clean screen
Coarse product	Broken screen	Replace screen
Heavy vibration	Imbalanced hammers; loose bolts	Replace hammers in sets; tighten bolts
Motor won't start	Power issue; safety switch open	Check wiring; close operating door