INDUSTRIAL CONE FILLING SOLUTIONS

ConeFiller ca 2.0 Complete Instruction Manual

Commercial Pre-Roll Cone Filling & Vibration Machine | Operations, Safety & Technical Guide

SUPPORTED SIZES	CAPACITY	CONTROL TYPE	OPTIMAL HUMIDITY
1 1/4 (84mm) Slim/Standard (98mm) King Size (109mm)	169 Cones per Batch	Variable Speed Vibration Dial	59% – 62% RH (Recommended)

1. SAFETY & COMPLIANCE GUIDELINES

WARNING: SAFETY PRECAUTIONS BEFORE OPERATION

Read all safety warnings prior to operating the ConeFiller ca 2.0. Failure to comply with instructions may result in electrical shock, equipment damage, or personal injury.

- **Electrical Safety:** Ensure the power outlet matches machine voltage (110V/220V AC). Always ground the unit properly. Do not plug in with wet hands.
- **Personal Protective Equipment (PPE):** Operators must wear dust masks (N95 rated recommended) and safety glasses during high-volume material filling to protect against airborne dust particles.
- **Operational Hazards:** Keep long hair, loose clothing, and fingers clear of the vibration plate during active operation.
- **Compliance Standards:** This unit complies with CE, FCC, and RoHS standards for industrial electronics.

2. SETUP & PRE-OPERATION PREPARATION

1. **Inspection & Cleaning:** Ensure the power supply is disconnected. Clear away any residual material or debris from the vibration plate and surrounding housing.
2. **Install Modular Tray:** Select the correct modular tray based on your paper cone specifications (84mm / 98mm / 109mm). Fit the tray securely over the alignment posts.
3. **Load Pre-Roll Cones:** Insert paper cones individually into each tray aperture. Ensure filter tips sit flush at the bottom of the tray and top openings remain flat and unbent.

3. STEP-BY-STEP OPERATING PROCEDURE

STEP 1 — Secure Modular Tray

Place the fully loaded cone tray firmly onto the ConeFiller ca 2.0 vibration base. Tighten all side locking clamps/screws to prevent shifting during operation.

STEP 2 — Distribute Material

Pour evenly ground herbal/tobacco material over the top overflow tray. Spread evenly using a tray scraper. Note: Use a medium-uniform grind size for best flow and density.

STEP 3 — Adjust Vibration Control

Turn on the power switch. Adjust the speed control dial on the front panel. Begin at low-to-medium speed to allow material to flow naturally into the cones, then briefly turn to high speed for final compaction.

STEP 4 — Scrape & Level

Guide remaining excess material across the surface until every cone aperture is filled evenly to the designated line.

STEP 5 — Power Down & Unload

Once material has settled properly, switch off the vibration power. Release the side locking clamps and carefully lift off the upper tray frame.

STEP 6 — Ejection & Finishing

Use the provided ejector pad underneath the tray to push the filled cones upward simultaneously. Finish each pre-roll by twisting or applying a Dutch fold to the top paper edge.

4. KEY OPERATING GUIDELINES & BEST PRACTICES

VIBRATION TIMING & DENSITY CONTROL

Avoid running the vibration cycle continuously for too long (recommended single cycle: 30 to 120 seconds). Over-vibrating creates excessive density at the base near the filter, leading to restricted airflow during smoking. Maintain material moisture between 59% – 62% RH for optimal packing.

5. TECHNICAL SPECIFICATIONS & PARTS LIST

- **Power Requirements:** 110V / 220V AC, 50/60 Hz, 60W
- **Machine Dimensions:** 320mm x 320mm x 280mm
- **Net / Gross Weight:** 7.5 kg / 9.2 kg
- **Aperture Count:** 169 Cones per Batch
- **Body Material:** Anodized Aluminum Frame & Food-Grade Acrylic Trays
- **Noise Level:** < 65 dB(A) at maximum speed

Standard Package Parts List:

ITEM NO.	PART DESCRIPTION	QTY / SPEC
KK2-001	ConeFiller ca 2.0 Main Vibration Unit	1 Unit
KK2-002	Modular Tray Set (84mm / 98mm / 109mm)	3 Trays
KK2-003	Bottom Ejector Pin Pad	1 Unit
KK2-004	Overflow Tray & Material Scraper	1 Set

6. CLEANING & MAINTENANCE PROTOCOL

INTERVAL	TARGET COMPONENT	ACTION REQUIRED
Post-Batch	Overflow Tray & Apertures	Sweep away loose particles with a soft-bristle brush or low-pressure air duster.
Daily	Vibration Plate & Base	Inspect vibration gaps for trapped particulate matter. Wipe surfaces with a lint-free isopropyl alcohol cloth.
Periodic	Electrical / Motor Box	Ensure motor enclosure remains dry. NEVER wash the motor housing or electrical controls directly with water or liquid spray.

7. TROUBLESHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSE	RECOMMENDED SOLUTION
Machine fails to power on	Power plug disconnected or internal fuse blown	Check outlet connection; replace fuse (5A) inside power socket if needed.
Excessive noise / abnormal vibration	Tray clamps loose or foreign object under base	Tighten side locking clamps firmly; clear any trapped debris beneath vibration plate.

Uneven cone packing / restricted draw	Material RH too high (>65%) or vibration time too long	Adjust material humidity to 59%-62% RH; decrease high-speed vibration duration.

8. WARRANTY POLICY & CUSTOMER SUPPORT

Limited Warranty: The ConeFiller ca 2.0 comes with a 1-Year Limited Manufacturer Warranty covering defects in materials and workmanship under normal commercial operation. Excludes wear-and-tear parts, water damage, or unauthorized disassembly.

Technical Support & RMA Requests:
Please contact the sales representative directly.

Cone Filler ca

User Manual