

Collomix TMX 1000

Collomix TMX1000 Automatic Material Mixer - 20 Gallon Capacity Instruction Manual

Model: TMX 1000

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Collomix TMX1000 Automatic Material Mixer. Please read this manual thoroughly before operating the machine to ensure proper usage and to prevent injury or damage.

The Collomix TMX1000 is a robust, forced-action pan mixer designed for professional use with various construction materials. Its 20-gallon capacity and powerful 2.7 HP motor make it suitable for mixing dry and highly-viscous materials such as mortar, plaster, screed, and concrete.

2. SAFETY INFORMATION

Always adhere to the following safety guidelines when operating the TMX1000 mixer:

- **Read the Manual:** Understand all instructions and warnings before use.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, hearing protection, gloves, and sturdy footwear.
- **Electrical Safety:** Ensure the power supply is 120V and capable of providing 20 amps. Use only grounded outlets and extension cords rated for outdoor heavy-duty use. Do not operate in wet conditions.
- **Stable Surface:** Position the mixer on a firm, level surface to prevent tipping during operation.
- **Clear Work Area:** Keep the work area clear of bystanders, children, and pets.
- **Material Loading:** Do not overload the mixer. Add materials gradually to prevent splashing and motor strain.
- **Moving Parts:** Keep hands, tools, and clothing away from moving parts, especially the mixing paddles, when the machine is operating. Ensure the safety grid is in place during mixing.
- **Emergency Stop:** Familiarize yourself with the location and operation of the emergency stop switch.
- **Maintenance:** Disconnect power before performing any maintenance, cleaning, or adjustments.

3. PRODUCT OVERVIEW

The Collomix TMX1000 is engineered for efficient and consistent mixing of various construction materials. Key features include:

- **Powerful 2.7 HP Motor:** Drives the three-armed mixing paddle for high torque and low speed mixing (2000W/110V 20amp plug).
- **Built-in Dust Extraction Port:** Designed to minimize airborne dust during material loading and mixing.
- **No-Stick Trap Door:** Facilitates easy discharge of mixed materials. Note that small grains of cement may cause minor leakage, so ensure a collection vessel is in place.
- **Adjustable Speed Control:** Allows for optimization based on material type and consistency.
- **Robust Construction:** Built for durability and longevity in demanding construction environments.



Figure 1: Front view of the Collomix TMX1000 Automatic Material Mixer.



Figure 2: Collomix TMX1000 mixer, highlighting the 120V / 20 Amp power plug requirement.



Figure 3: Top view of the TMX1000 with the safety grid lid open, revealing the three-armed mixing paddles inside the drum.

4. SETUP

1. **Unpacking:** Carefully remove the mixer from its packaging. Inspect for any shipping damage.
2. **Positioning:** Place the mixer on a stable, level, and firm surface. Ensure adequate space around the mixer for safe operation and material handling. The adjustable legs can be used to stabilize the unit.
3. **Power Connection:** Connect the mixer to a grounded 120V, 20-amp electrical outlet. Ensure the power cord is free from damage and positioned to avoid tripping hazards.
4. **Safety Grid:** Verify that the safety grid is securely in place before adding any materials or starting the mixer.

5. OPERATING INSTRUCTIONS

1. **Prepare Materials:** Have all dry and liquid components ready for mixing.
2. **Load Dry Materials:** With the mixer turned off and the safety grid closed, carefully add dry materials into the mixing drum. Do not exceed the 20-gallon capacity.
3. **Start Mixing:** Turn on the mixer using the power switch. The mixing paddles will begin to rotate.
4. **Add Liquids:** Gradually add the required amount of water or liquid additive through the safety grid opening while the mixer is running. Use the adjustable speed control knob to achieve the desired mixing consistency.
5. **Dust Extraction:** If using the dust extraction port, connect a suitable vacuum system to the port during material loading and initial mixing to contain harmful mineral dust.
6. **Monitor Mixing:** Allow the materials to mix thoroughly until a homogeneous consistency is achieved. Mixing times will vary depending on the material type and quantity.
7. **Discharge Material:** Once mixing is complete, position a wheelbarrow or bucket directly beneath the trap door outlet. Operate the trap door lever to release the mixed material. Due to the design, some minor leakage may occur, so ensure the collection vessel is properly positioned before opening the trap door.
8. **Turn Off:** After discharging, close the trap door and turn off the mixer.



Figure 4: A worker carefully loading a bag of dry material into the TMX1000 mixer.



Figure 5: The TMX1000 mixer discharging freshly mixed material into a bucket.



Figure 6: A worker connecting a vacuum hose to the dust extraction port on the TMX1000 mixer to minimize airborne dust.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your TMX1000 mixer.

- **Cleaning After Each Use:** Immediately after each use, clean the mixing drum, paddles, and trap door thoroughly. Hardened material is difficult to remove. Use water and a stiff brush. Do not use high-pressure washers directly on electrical components.
- **Inspect Paddles:** Regularly check the mixing paddles for wear or damage. Replace worn paddles to maintain mixing efficiency.
- **Lubrication:** Periodically lubricate moving parts as indicated in the detailed service manual (if applicable).
- **Electrical Cord Inspection:** Inspect the power cord and plug for any signs of damage before each use. Replace if damaged.
- **Storage:** Store the mixer in a dry, protected area when not in use.

7. TROUBLESHOOTING

Refer to the following common issues and solutions:

- **Mixer Does Not Start:**
 - Check power connection and ensure the plug is fully inserted into a 120V/20amp outlet.
 - Verify that the power switch is in the 'ON' position.
 - Check for tripped circuit breakers or blown fuses.
- **Poor Mixing Consistency:**
 - Ensure correct material-to-liquid ratios are used.
 - Check mixing paddles for wear or material buildup. Clean or replace as necessary.
 - Adjust mixing speed using the control knob.
- **Material Leakage from Trap Door:**
 - This is a known characteristic for small grains of cement. Always ensure a wheelbarrow or bucket is positioned underneath the trap door before use.
 - Clean the trap door mechanism thoroughly to ensure no debris is preventing a full seal.
- **Excessive Noise or Vibration:**
 - Turn off the mixer immediately.
 - Check for foreign objects in the mixing drum.
 - Inspect paddles and motor for damage. Contact customer support if the issue persists.

8. SPECIFICATIONS

Feature	Specification
Brand	Collomix
Model Name	TMX 1000
Capacity	20 Gallons (approx. 75 Liters)
Motor Horsepower	2.7 HP
Power Source	AC
Voltage	120V
Amperage Requirement	20 Amps
Product Dimensions (D x W x H)	34" x 48" x 30"
Item Weight	288 pounds
Noise Level	86 dB
Controls Type	Knob (Adjustable Speed Control)
Included Components	Mixer, Dust Extraction Port, Shaker Outlet/Trap Door
UPC	849215001941



Figure 7: Diagram illustrating the dimensions of the Collomix TMX1000 mixer.

9. WARRANTY AND SUPPORT

The Collomix TMX1000 Automatic Material Mixer comes with a **1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical assistance, or to purchase replacement parts, please contact Collomix customer support. You can find contact information and additional resources by visiting the official Collomix website or the

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Example: How do I reset this device or fix this error?

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