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› Moonshan 20-inch Desktop Belt Conveyor (Model: TT-67-MLY) Instruction Manual

## Moonshan TT-67-MLY

# Moonshan 20-inch Desktop Belt Conveyor (Model: TT-67-MLY) Instruction Manual

Your guide to setup, operation, and maintenance

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient use of your Moonshan 20-inch Desktop Belt Conveyor, Model TT-67-MLY. This compact and versatile conveyor system is designed for light-duty material handling, offering features like a reverse switch and stepless speed adjustment to optimize various production and packaging tasks.

# 20 INCH DESKTOP CONVEYOR



Stepless  
speed control



Forward and  
reverse switching



Edgeless  
conveyor belt



Figure 1: The Moonshan 20-inch Desktop Belt Conveyor in operation.

## 2. SAFETY INFORMATION

Please read all safety instructions before operating the conveyor. Failure to follow these instructions may result in injury or damage to the equipment.

- Ensure the conveyor is placed on a stable, level surface before operation.

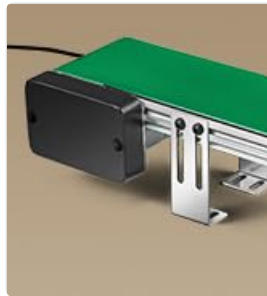
- Keep hands, hair, and loose clothing away from the moving belt and rollers.
- Do not exceed the maximum load capacity of 11 pounds (5 kg).
- Disconnect power before performing any maintenance or cleaning.
- Operate the conveyor only in dry environments. Avoid exposure to water or excessive moisture.
- Do not attempt to modify the conveyor or its components.

### 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- Moonshan 20-inch Desktop Belt Conveyor
- Power Adapter with Speed Controller
- Hex Key Set (for assembly)



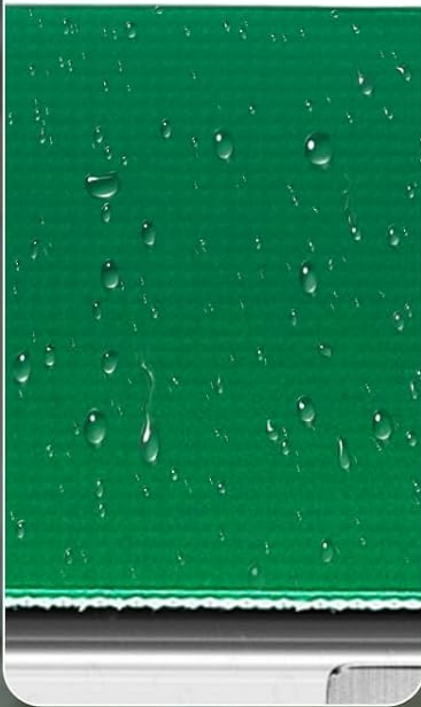
*Figure 2: Typical package contents.*

### 4. PRODUCT FEATURES

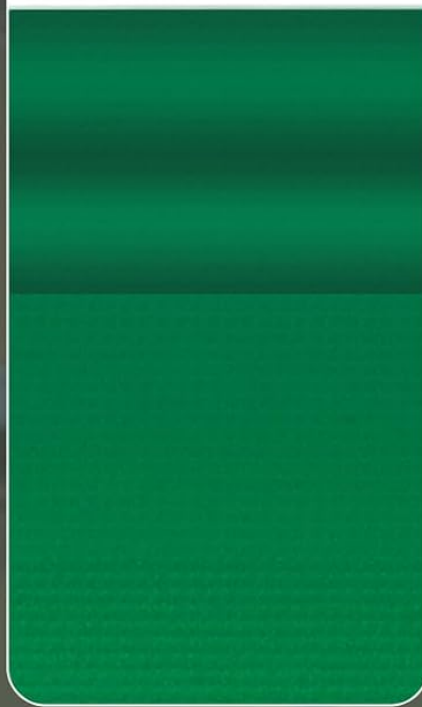
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- **Reverse Switch:** Allows for arbitrary changes in the transportation direction, accommodating diverse production needs.
- **Stepless Speed Regulation:** An integrated speed controller enables precise adjustment of the belt's working speed.
- **Durable PVC Conveyor Belt:** The belt is constructed from PVC material, offering waterproof, flexible, and wear-resistant properties.
- **Load Capacity:** Capable of smoothly transporting loads up to 11 pounds (5 kg).
- **Compact Design:** Small, lightweight, and powerful, making it suitable as supplementary equipment for desktop automation in various factory and home settings.
- **Robust Construction:** Features aluminum alloy profiles, 6-inch stainless steel brackets for stability, and a hidden motor design for protection.
- **Quality Components:** Equipped with solid rollers made by CNC technology, all-metal gears, a pure copper coil motor, and quality bearing brushes for reliable performance.

# PVC CONVEYOR BELT



Waterproof



Flexible



Wear resistant



Figure 3: Features of the PVC conveyor belt.

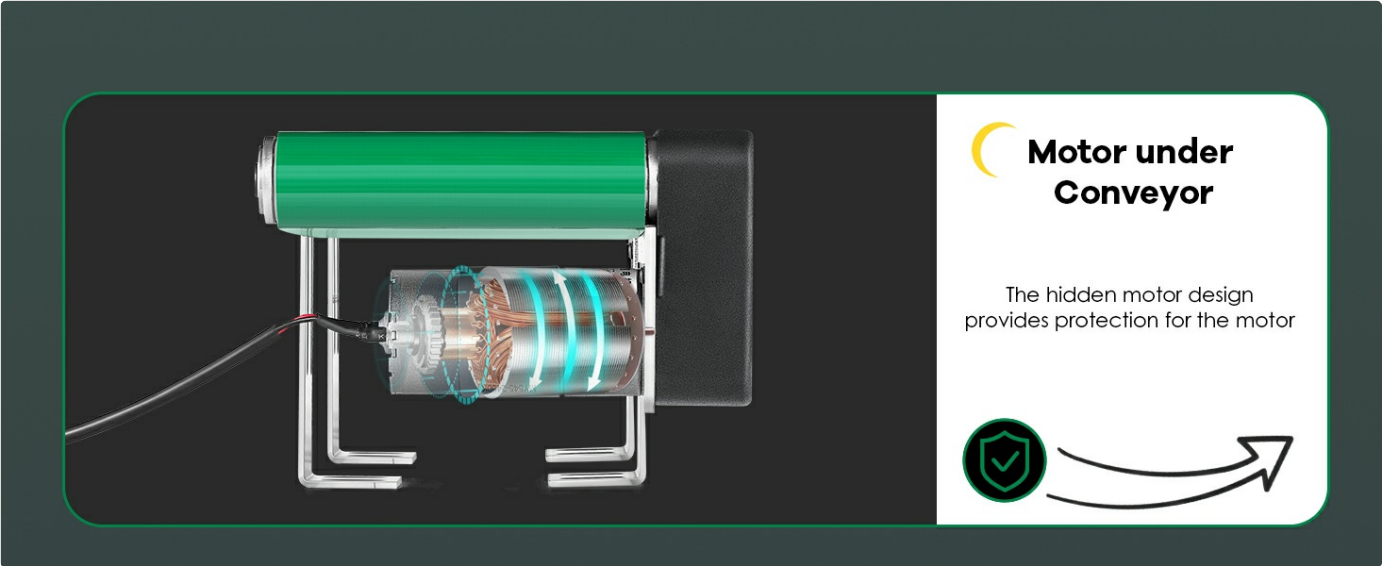


Figure 4: Hidden motor design for enhanced protection.

## 5. SPECIFICATIONS

| Specification              | Value                                     |
|----------------------------|-------------------------------------------|
| Brand                      | Moonshan                                  |
| Model Number               | TT-67-MLY                                 |
| Material                   | Aluminum, Polyvinyl Chloride (PVC), Steel |
| Product Dimensions (L x W) | 20 inches x 4 inches (50.8 cm x 10.16 cm) |
| Item Weight                | 5 pounds (2.27 kg)                        |
| Maximum Load Capacity      | 11 pounds (5 kg)                          |
| Maximum Belt Speed         | Up to 4 inches/second (10.16 cm/second)   |
| Belt Style                 | Roller Belt                               |

# PVC CONVEYOR BELT

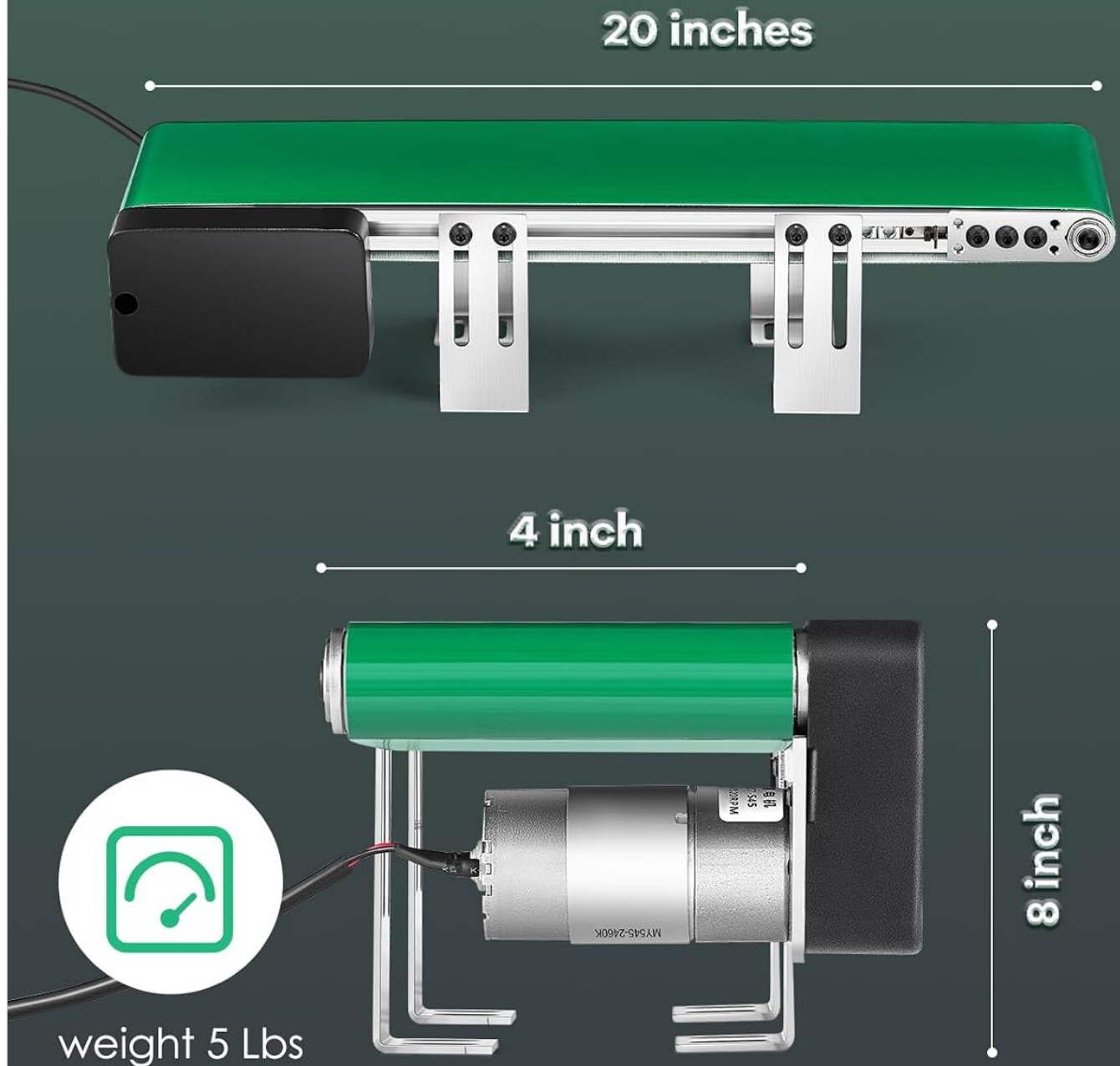


Figure 5: Conveyor dimensions and weight.

## 6. SETUP

Follow these steps to set up your Moonshan Desktop Belt Conveyor:

1. **Unpack Components:** Carefully remove all items from the packaging and verify against the package contents list.
2. **Attach Brackets:** Insert two slider nuts into the groove of the aluminum profile for each bracket. Align the bracket with the

slider nuts and secure it using two M6x8 screws with the provided hex key. Ensure brackets are firmly attached and evenly spaced for stability.

3. **Position Conveyor:** Place the conveyor on a stable, level workbench or surface.
4. **Connect Power:** Plug the power adapter into the conveyor's power input port, then plug the adapter into a standard electrical outlet.



Figure 6: Attaching the stainless steel brackets.

Your browser does not support the video tag.

Video 1: Installation guide for the Moonshan Conveyor. This video demonstrates how to attach the support brackets to the conveyor belt.

## 7. OPERATION

Operating your conveyor is straightforward:

1. **Power On:** Once connected to power, the conveyor is ready for operation.
2. **Adjust Speed:** Use the rotary knob on the speed controller to adjust the belt speed. Turn clockwise to increase speed and counter-clockwise to decrease it. The maximum speed is approximately 4 inches per second.
3. **Change Direction:** Utilize the reverse switch located on the power cord to change the direction of the belt's movement (forward or reverse). The switch typically has three positions: forward, stop, and reverse.
4. **Place Items:** Carefully place items onto the moving belt. Ensure items do not exceed the weight limit or dimensions that could cause them to fall off.
5. **Power Off:** To stop the conveyor, set the reverse switch to the 'stop' position or unplug the power adapter.

# SWITCH FORWARD AND REVERSE



Figure 7: Using the reverse switch to control belt direction.

# STEPLESS SPEED REGULATION

Maximum speed up to 4 inch/s

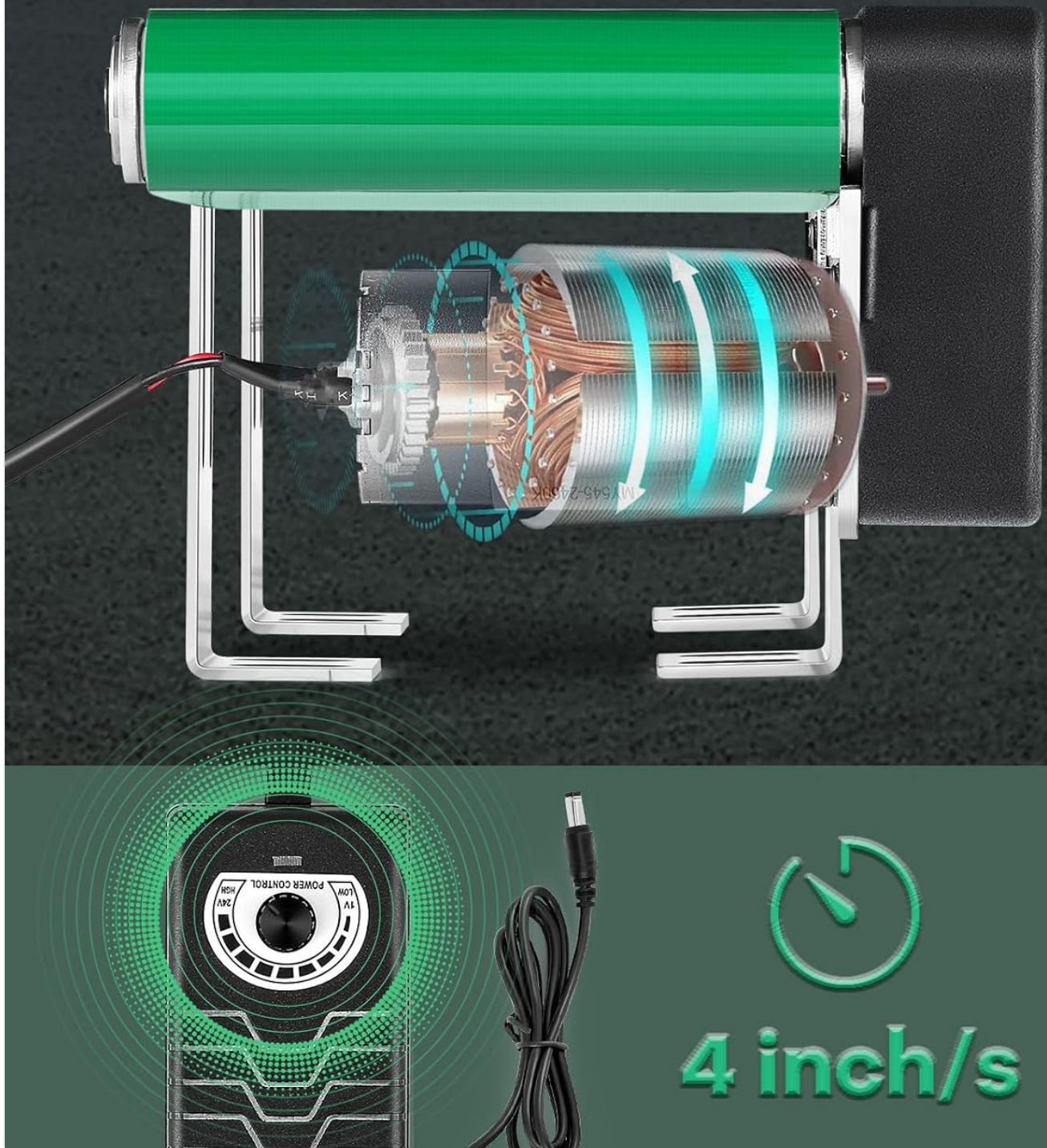


Figure 8: Adjusting the stepless speed regulation.

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Video 2: Demonstration of forward, reverse, and stepless speed control. This video illustrates how to operate the conveyor's direction and speed settings.

## 8. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your conveyor:

- **Cleaning:** Regularly wipe down the PVC belt and frame with a damp cloth. Avoid using harsh chemicals or abrasive cleaners. Ensure the conveyor is unplugged before cleaning.
- **Belt Inspection:** Periodically check the conveyor belt for any signs of wear, tears, or damage. If damage is observed, contact customer support for replacement options.
- **Roller Check:** Ensure the rollers are free from debris and rotate smoothly.
- **Storage:** When not in use, store the conveyor in a dry, clean environment away from direct sunlight and extreme temperatures.

## 9. TROUBLESHOOTING

If you encounter issues with your conveyor, refer to the following common problems and solutions:

| Problem                              | Possible Cause                                                            | Solution                                                                                                               |
|--------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Conveyor belt does not move.         | No power, power adapter not connected, reverse switch in 'stop' position. | Check power connection, ensure adapter is plugged in, set reverse switch to 'forward' or 'reverse'.                    |
| Belt moves slowly or inconsistently. | Speed controller set too low, excessive load, debris obstructing belt.    | Adjust speed controller, reduce load, inspect and clear any obstructions.                                              |
| Unusual noise during operation.      | Debris in rollers, loose components.                                      | Disconnect power, inspect rollers for debris and remove. Check for any loose screws or parts and tighten if necessary. |

If the problem persists after attempting these solutions, please contact Moonshan customer support.

## 10. WARRANTY AND SUPPORT

Moonshan products are designed for reliability and performance. For warranty information, technical support, or to inquire about replacement parts, please refer to the contact information provided with your purchase or visit the official Moonshan website. Please have your model number (TT-67-MLY) and purchase date ready when contacting support.

### 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.

Name

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

**Submit question**