Rewinders ● Slitters ● Dispensers ● Applicators ● Unwinders

Print Solutions ● Counters ● Core-Chucks ● Splicers

OMNI-CAT

Intuitive Rewinder / Unwinder

User Manual

www.labelmateusa.com

OMNI-CAT

The OMNI-CAT is the smartest and most omnipotent Rewinder / Unwinder in the Labelmate product line! With various core sizes, label widths, roll diameters and options to choose from, there is an OMNI-CAT configuration to fit any job you may have.

GENERAL CONTENTS OF PACKAGING

- User Manual (this document)
- OMNI-CAT Drive Unit
- PS-65 Power Adaptor: INPUT 100-240V- 50-60Hz, Output 19V DC-6.3A
- Sensor Arm
- Core Holder
- Guide Flanges x2 (Inner and Outer)
- Calibration Key

MODEL SPECIFIC CONTENTS OF PACKAGING

- Model "-Chuck": Quick-Locking Core Chuck, with inner guide flange
- Model "-1-INCH": Shaft with one (1) metal fin installed, with inner guide flange
- Model "-ACH": Adjustable Core Holder, fully assembled

MANUAL VALID FOR THE FOLLOWING PRODUCTS:

P/N	MODEL	DESCRIPTION	MAX LABEL WIDTH	MAX ROLL DIAMETER	MAX WEIGHT
80-203-0101	OMNI-CAT-6	3" dia. Quick-Locking Core-Chuck (76mm), for media up to 6.6" wide (170mm).	6.6" (170mm)	12" (305mm)	22 lbs. (10kg)
80-203-0102	OMNI-CAT-8	3" dia. Quick-Locking Core-Chuck (76mm), for media up to 8.6" wide (220mm).	8.6" (220mm)	12" (305mm)	22 lbs. (10kg)
80-203-0103	OMNI-CAT-10	3" dia. Quick-Locking Core-Chuck (76mm), for media up to 10.6" wide (270mm).	10.6" (270mm)	12" (305mm)	22 lbs. (10kg)
80-203-0106	OMNI-CAT-ACH	Adjustable Core Holder for any core diameter between 1" - 4" (25 - 101 mm), and media up to 6.6" wide (170mm).	6.6" (170mm)	12" (305mm)	17 lbs. (8kg)
80-203-0111	OMNI-CAT- 1-INCH	1" dia. Fin-Style Core Holder (25mm), and media up to 6.6" wide (170mm).	6.6" (170mm)	12" (305mm)	22 lbs. (10kg)
80-203-0108	OMNI-CAT-XL-6	3" dia. Quick-Locking Core-Chuck (76mm), for media up to 6.6" wide (170mm).	6.6" (170mm)	16" (406mm)	50 lbs. (23kg)
80-203-0109	OMNI-CAT-XL-8	3" dia. Quick-Locking Core-Chuck (76mm), for media up to 8.6" wide (220mm).	8.6" (220mm)	16" (406mm)	50 lbs. (23kg)
80-203-0110	OMNI-CAT-XL-10	3" dia. Quick-Locking Core-Chuck (76mm), for media up to 10.6" wide (270mm).	10.6" (270mm)	16" (406mm)	50 lbs. (23kg)

GET TO KNOW YOUR OMNI-CAT

Speed Dial:
Adjusts the wind speed in both Standard Mode and Bypass Mode.

Direction Switch:
Controls the rewind direction (clockwise or counterclockwise).

Sensor Arm:
Controls the wind operation in Standard Mode and Sync Mode.

Indicator Lights:
Labeled "Speed Dial" and "Sensor Arm," these lights show which features are active based on the selected mode.

Sensor Arm Modes:
The mode determines the behavior of the Sensor Arm.

- **Bypass Mode**:
  This mode is designed for use with other Labelmate USA products, allowing the OMNI-CAT to function as a drive unit. When used with a printer, Bypass Mode produces the tightest roll of all three modes. However, it may exert excessive tension, which can be too strong for many printers. Additionally, this mode does not support back feed functionality. In Bypass Mode:

  ◊ The Sensor Arm is inactive.

  ◊ Speed and direction are controlled solely by the control panel on the top of the Winder.

  ◊ *Note:* Only the Speed Dial indicator light is illuminated.

- **Standard Mode**:
  This mode is suitable for both rewinding with a printer and unwinding, either with a printer or other Labelmate USA products. The Sensor Arm will bounce during rewinding, creating a tighter roll than Sync Mode, but without applying excessive tension on the printer. Additionally, Standard Mode supports printer back-feed functionality.

  ◊ The OMNI-CAT winds at the speed set by the Speed Dial and matches the printer speed when unwinding. Adjust the speed dial faster or slower as needed to provide more rewinding power.

  ◊ The OMNI-CAT stops completely if the Sensor Arm remains at tabletop level for more than 2 seconds.

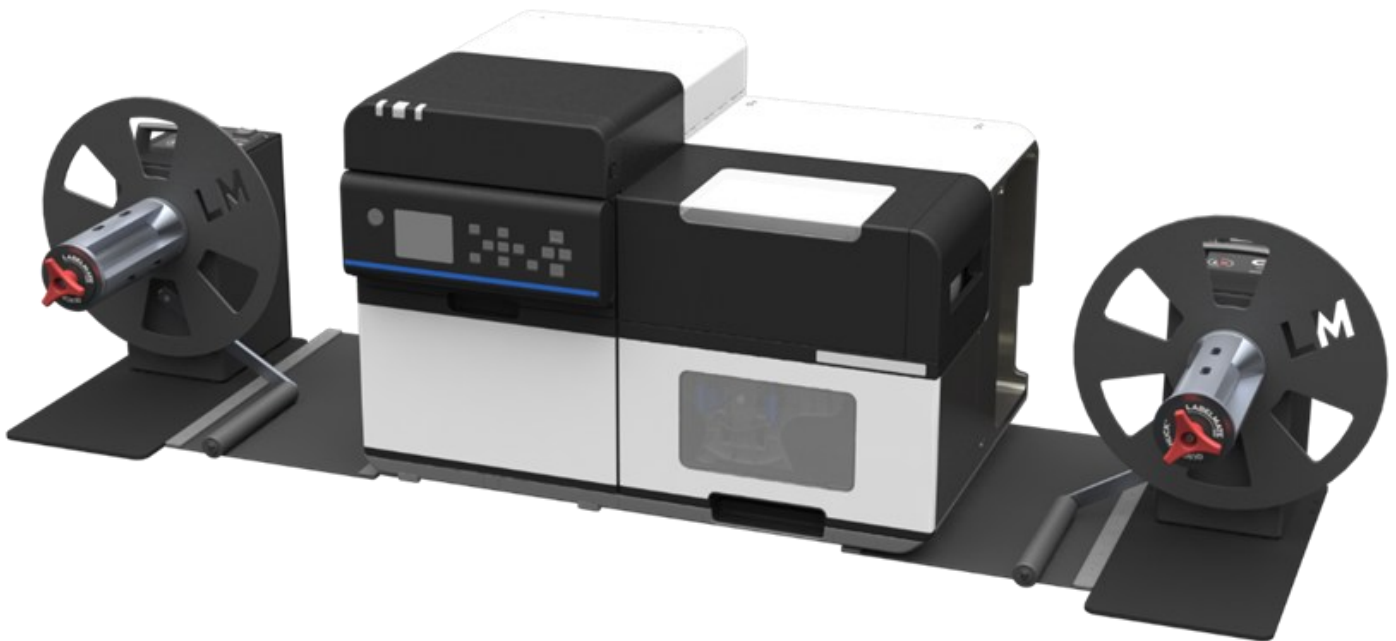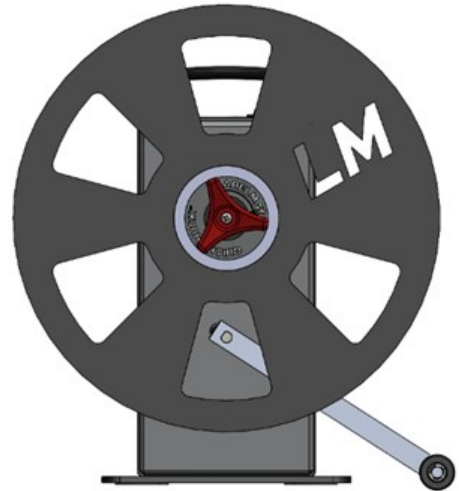 ◊ *Note*: Both the Speed Dial and Sensor Arm lights are illuminated.

- **Sync Mode**:
  This mode is suitable for both rewinding with a printer and unwinding, whether with a printer or other Labelmate USA products. When used as a Rewinder, the OMNI-CAT perfectly matches speed with the other device which results in a looser finish-roll but applies the least amount of tension on the printer of all three modes. Additionally, Sync Mode supports printer back-feed functionality.
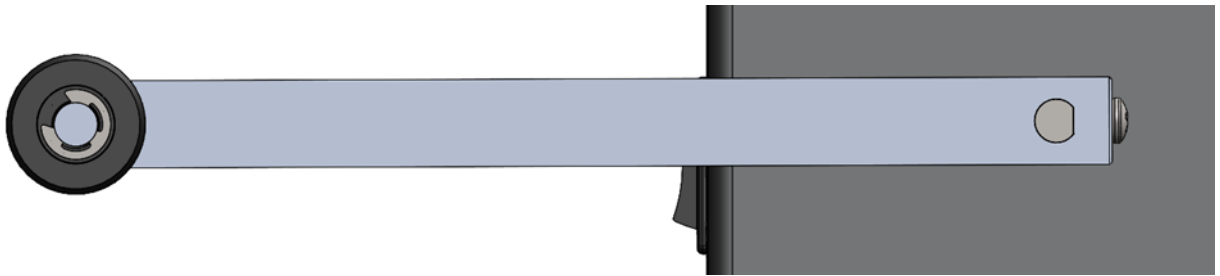
  ◊ The Winder matches the printer speed during both rewinding and unwinding.

  ◊ The Winder stops completely if the Sensor Arm remains at tabletop level for more than 2 seconds.

  ◊ _Note_: Only the Sensor Arm light is illuminated.

SET UP

Step 1: Install the Sensor Arm
- The Sensor Arm can be mounted on either the right or left side, depending on the position of the printer.
- Position the Sensor Arm shaft so that the flat side is opposite the side where the Sensor Arm will be mounted.
  - ◊ *Note*: The Sensor Arm shaft may be difficult to turn by hand. If needed, use a pair of pliers to gently adjust its position.
- Remove the screw from the Sensor Arm shaft.
- Slide the Sensor Arm onto the shaft and replace the screw.
- Tighten the screw so that it faces the flat side of the shaft.

Step 2: Install the Core Holder
- Mount the inner flange onto the Quick-Chuck using the two provided screws.
- Slide the Shaft and Flange Assembly onto the OMNI-CAT motor shaft, ensuring there is adequate clearance between the flange and the Sensor Arm.
- Tighten the Allen screw onto the flat part of the motor shaft until it is secure.
- Spin the core holder by hand to confirm proper clearance and smooth operation.

Step 3: Position OMNI-CAT
- Place OMNI-CAT in line with a printer or other Labelmate USA products
- Lift the sensor arm to insure proper clearance
- Set OMNI-CAT to desired mode

REWINDING LABELS

1. **Prepare the OMNI-CAT**:
   - Set the Direction Switch to the off ("O") position.
   - Turn the Speed Dial to the lowest speed by rotating it counterclockwise.

2. **Load the Label Core**:
   - Slide an empty label core onto the core-holder until it rests against the inner flange plate.
   - Tighten the red knob on the Quick-Chuck to secure the core.

3. **Install the Paper Guide**:
   - Follow the detailed instructions provided below for installing the paper guide.

4. **Bypass Mode**:
   - Secure the end of the label web to the take-up roll core using tape. Rotate the take-up reel a few turns to ensure proper attachment.
   - Use the Direction Switch to determine the winding direction:

     ◄ for **Counterclockwise** rotation.
     ► for **Clockwise** rotation.

   - Gradually increase the Speed Dial (clockwise) to match the speed of the printer or other Labelmate USA devices. The motor will continuously pull on the labels, providing constant torque.

5. **Standard Mode / Sync Mode**:
   - Feed the label web from the printer under the Sensor Arm and secure it to the top of the take-up roll with tape. Rotate the take-up reel a few turns.
   - Set the Direction Switch **AWAY** from the printer. This ensures labels are wound out. *Note*: Standard Mode and Sync Mode may not function correctly for winding in, especially with larger roll diameters.
   - For Standard Mode, the Sensor Arm will automatically adjust to the correct position. Once printing has begun, slowly increase the Speed Dial (clockwise) to match the printer's speed.
   - For Sync Mode, the Speed Dial is deactivated, and the Sensor Arm will automatically adjust to the correct position.

UNWINDING LABELS

1. **Prepare the OMNI-CAT**:
   - Set the Direction Switch to the off position ("O").
   - Turn the Speed Dial to the lowest speed by rotating it counterclockwise.

2. **Load the Label Core**:
   - Slide a roll of labels onto the core-holder until it rests against the inner flange plate.
   - Tighten the red knob on the Quick-Chuck to secure the roll.
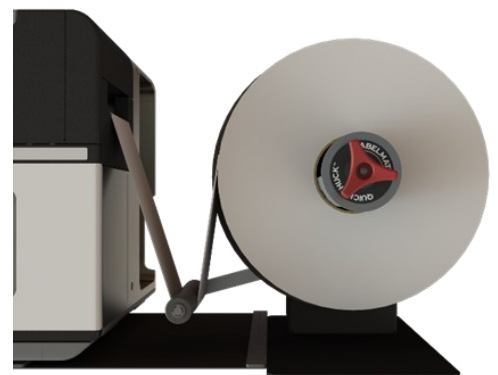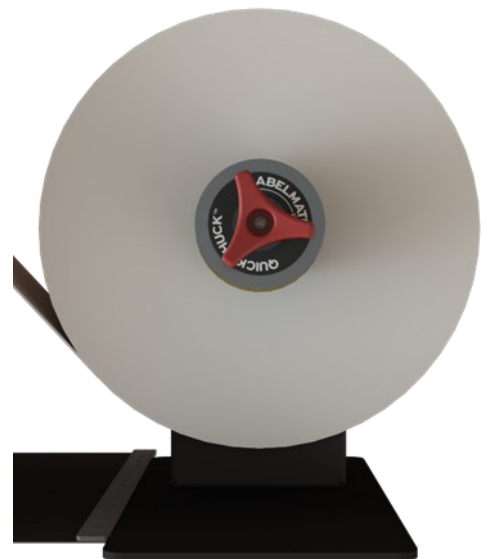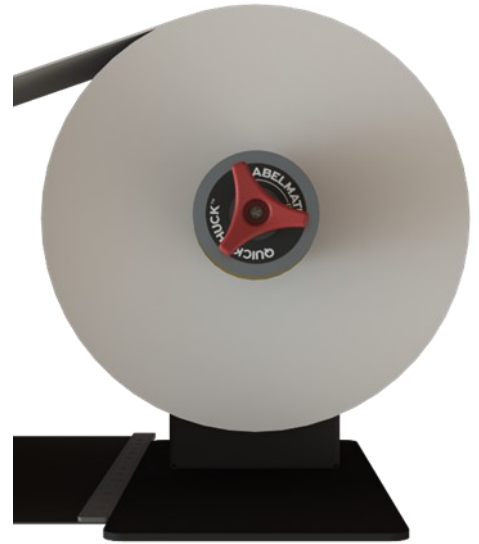
3. **Install the Paper Guide**:
   - Follow the detailed instructions provided below for installing the paper guide.

4. **Bypass Mode**:
   - Ensure the power is **OFF**.
   - Feed the labels into the printer or other Labelmate USA devices.
   - Set the Direction Switch **OPPOSITE** the desired unwind direction:

     ◄ for **Counterclockwise** rotation.
     ► for **Clockwise** rotation.
   - Adjust the **Speed Dial** to the desired level.
   - *Important*: **Do not power on the OMNI-CAT**. The motor will generate the necessary tension when the other device pulls on the labels. This is the only way Bypass Mode can function as an unwinder.

5. **Standard Mode / Sync Mode**:
   - Standard Mode and Sync Mode operate similarly when used as an unwinder. For fast printers, or when using other Labelmate USA devices, always use Standard Mode.
   - Pass the label web under the Sensor Arm, then feed the labels into the printer or other Labelmate USA devices.
   - Set the Direction Switch **TOWARDS** the printer. This ensures labels are wound out. *Note*: Standard Mode and Sync Mode may not function correctly for winding in, especially with larger roll diameters.
   - The Sensor Arm will automatically adjust to the correct position.

OUTER GUIDE FLANGE

- After loading the label core or roll of labels onto the core-holder, but before expanding the Quick-Chuck, slide the Outer Guide Flange over the Quick-Chuck and position it against the labels.

    ◊ _Note_: If the label core is smaller than the labels themselves, ensure there is enough space left for the labels.

- Expand the Quick-Chuck by turning the red knob clockwise to secure the labels in place.

MAGNETIC PAPER GUIDE

- Install the MPG on either side of the core holder. Position the guide as close to the core holder as possible without making contact.

- To remove the MPG, grip it from the top and gently tilt it toward you to release it from its position.

CALIBRATING THE SENSOR ARM

- The Sensor Arm is pre-calibrated for use on a tabletop. If the Sensor Arm will be resting on a surface other than a tabletop, or if the OMNI-CAT is not operating correctly for any reason, recalibration may be necessary.

Steps to Calibrate the Sensor Arm:

1. Turn the machine OFF.
2. Set the Direction Switch to the center ("O") off position.
3. Set the Mode Switch to the center ("O") Standard position.
4. Insert the calibration key into the External Halt port.
5. Power the machine ON.

The indicator lights on the top of the machine will blink twice, confirming that the calibration sequence was completed successfully.

NOTE: **Recalibration is virtually never necessary, and should only be completed in extraordinary circumstances.**

PRODUCT LIMITED WARRANTY

WARRANTY PERIOD	PRODUCTS COVERED
5-Years	◊ "CAT" and "Mini CAT" Label Rewinders. ◊ "UCAT" Label Unwinders.
3-Years	◊ Label Counters (*Excluding Counter Displays and Encoders*) ◊ Label Dispensers (*Excluding Counter Displays*) ◊ Label Slitters (*Mechanical Parts Only - excluding Counter Displays*) ◊ Reel-to-Reel Machines (*Excluding Counter Displays and Encoders*) ◊ Print Mechanisms (*Excluding Counter Displays and Encoders*) ◊ Label Applicators (Excluding Polyurethane Rollers) ◊ Quick-Chucks
1-Year	◊ Power Supplies, AC/DC Adaptors and Transformers ◊ Counter Displays ◊ Encoders ◊ Any other products or parts not specified herein
180 Days	◊ Out-of-Warranty Repairs

Labelmate USA warrants to the original end-user customer that Labelmate USA products will be free from defects in materials and workmanship for the duration described herein below. Labelmate USA's Limited Warranty covers only those defects that arise as a result of normal use of the products and does not cover any other problems, including those that arise as a result of: (i) improper maintenance or modification; (ii) parts or supplies not provided or supported by Labelmate USA; (iii) operation outside the products' specifications; or (iv) unauthorized repair, modification or misuse. Use of any unauthorized accessory or attachment will void coverage.

The Warranty period for all products commences the date of shipment from Labelmate USA and accrues to the original end-user customer. Warranty coverage is non-transferable and terminates immediately upon rental, resale or any other change in ownership. Original purchase documentation must be retained for coverage verification.

In the event Labelmate USA substantiates, during the applicable Warranty period, a defect in any product which is covered by Labelmate USA's Warranty, Labelmate USA shall repair or replace the product, at Labelmate USA's option. Labelmate USA retains sole discretion to determine whether or not a product is defective. In no event shall Labelmate USA have any obligation to repair or replace until the customer returns the defective product to Labelmate USA. The customer assumes any and all responsibility and liability associated with transportation of products for service under this Warranty.

In the event your product requires service or you have questions regarding Warranty coverage, please call toll-free (877) 833-7149 inside the United States, or +1 (702) 435-8535 outside the United States.

LABELMATE MAKES NO OTHER WARRANTY OF ANY KIND, WHETHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, SATISFACTORY QUALITY, AND/OR FITNESS FOR A PARTICULAR PURPOSE. NO OTHER PERSON, AGENT, DEALER OR RESELLER IS AUTHORIZED TO GIVE ANY WARRANTIES ON BEHALF OF LABELMATE. ANY OBLIGATION TO WARRANTY OTHER THAN THAT SPECIFICALLY ADDRESSED HEREIN IS DISCLAIMED.

Toll Free: 877.833.7149
Direct: 702.435.8535

info@labelmateusa.com

12A Sunset Way
Henderson, NV 89014

www.labelmateusa.com