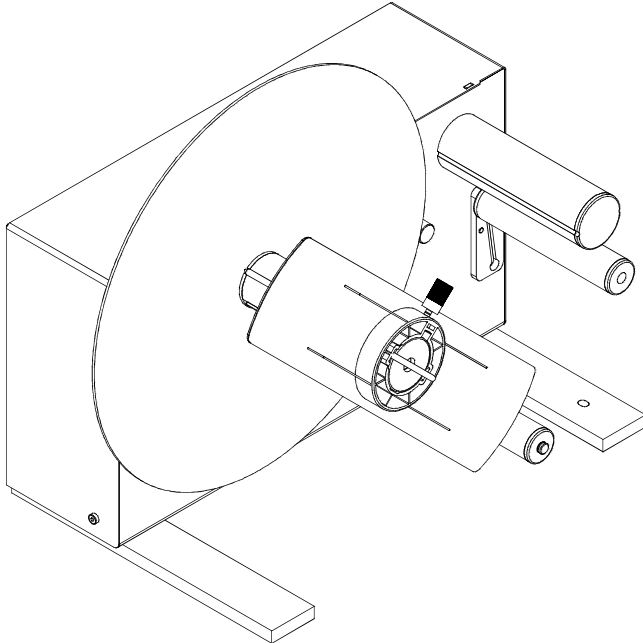




External Rewinder ER4/300

for Transfer Printer
BP-PR PLUS Series

Operator's Manual



Product Description

The External Rewinder ER4/300 is a peripheral device for label printers of different manufacturers.

During processing of large print jobs it is possible to take up and rewind large label roles independently of the printer. An adjustable guide axle ensures that the label strip is led horizontally from each printer into the rewinder.

Technical Specification

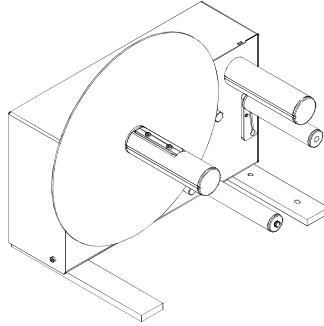
Label Width	up to 4.7 in. (120 mm)
Rewind Diameter	up to 11.8 in. (300 mm)
Core Diameter	1.6 in. (40 mm) on rewind axle 1.6 in. (40 mm) on cardboard core 3 in. (76 mm) on cardboard core with adapter
Rewind Speed	max. 12 ips. (300 mm/s)
Label Rewinding	labels inside or outside
Operating Temperature	50°F - 95°F (10 bis 35°C) at 30 - 85 % humidity, non condensing
Transport and Storage Temperature	4°F - 122°F (-20 bis 50°C) at 10 - 85 % humidity, non condensing
Dimensions	Height : 13.8 in (350 mm) Width : 11 in (280 mm) Depth : 15.3 in (390 mm)
Weight	13.2 lb. (6,0 kg)
Operating Voltage	110 - 240 V~ / 50 - 60 Hz

Delivery Contents

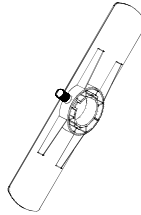


NOTICE !
Retain packing material for later use !

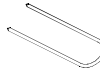
1 - Rewinder



2 - Flange



3 - Clamp



4 - 2 Rewind Adapters



5 - Power Cable



6 - Operator's Manual



Fig. 1 Contents of Delivery

Safety Instructions



CAUTION !

- **The device may only be used to rewind label material !
Use for any other purpose is not allowed !**
- **Any handling which is not described in this manual may only be carried out by authorised personnel !**
- **During operation, the rotating rewinder axle with the flange mounted upon it is freely accessible.
The operator must ensure that loose hanging jewellery, hair etc. are kept clear of the moving parts.
Risk of injury from moving parts !**
- **Turn the printer off before changing the rewinding direction, to avoid damages of the gear.**

Start-Up

Connection to Power Supply

The printer is equipped with a wide range power unit (100-240V~), so it is possible to use the printer both with a voltage of 230V~/50 Hz and with a voltage of 115V~/60 Hz without making changes to the printer.



CAUTION !

Make sure the power switch (1) is in position „O“ (OFF) before connecting the printer to a power supply !

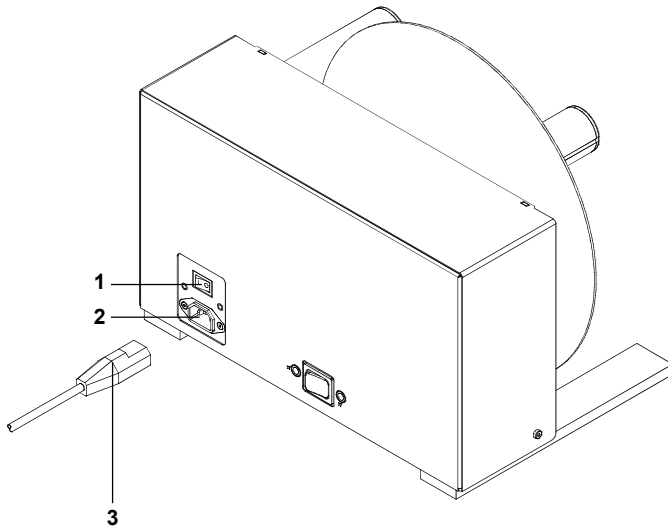


Fig. 2 Connection to Power Supply

The rewinder is ready for use, if the power cable (3) supplied in the accessories is inserted into a power supply connector (2) and the cable is contacted to a **groundet** outlet.

Selection of the Rewind Direction

It is possible to rewind inside and outside wound labels with the rewinder. But before rewinding the direction has to be set.



CAUTION !
Turn the printer off before changing the rewinding direction, to avoid damages of the gear.

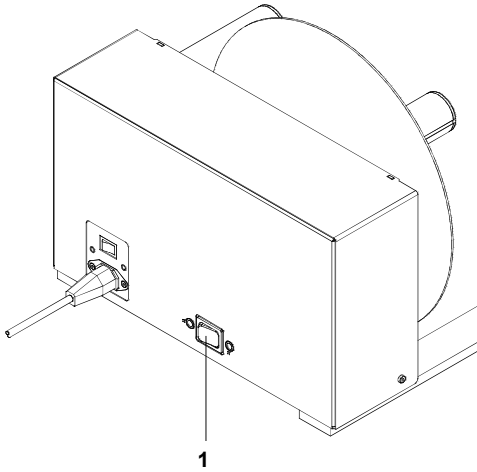


Fig. 3 Direction of Rewinding

Turn the printer off and set the switch (1) to the required direction of rewinding :



- Rewinding with labels inside



- Rewinding with labels outside

Aligning the Guide Axle

Dependent on the used printer the guide axle should be aligned so, that the label strip is led horizontally from the printer to the rewinder.

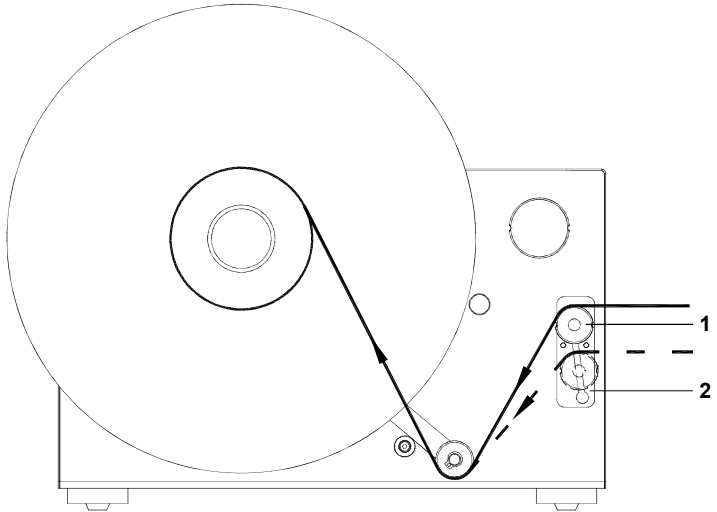


Fig. 4 Aligning the Guide Axle

- Loosen the guide axle (1) by turning it counterclockwise.
- Move it in the guide plate (2) up to the desired position.
- Fasten the guide axle (1) by turning it clockwise.

Rewinding directly onto the Rewind Axle

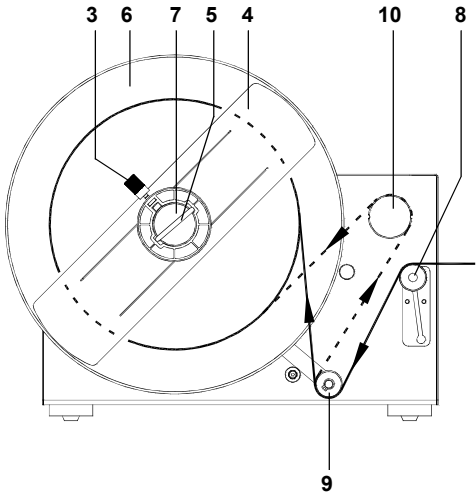
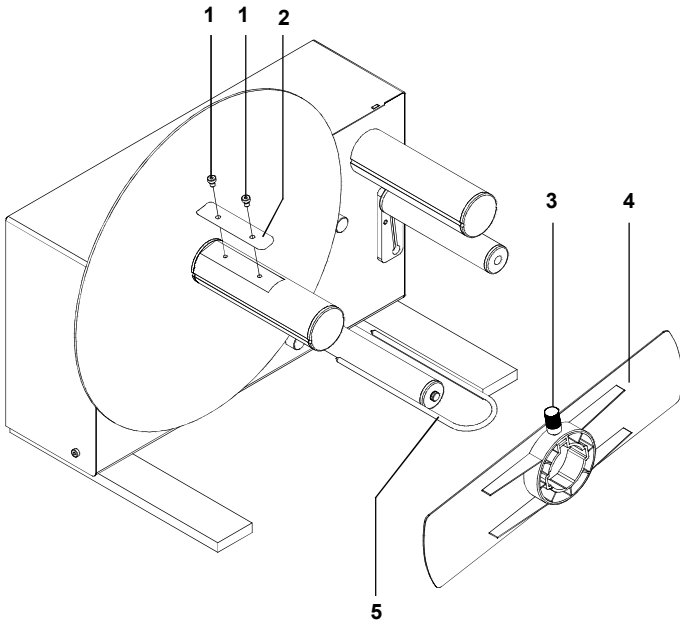


Fig. 5 Rewinding directly onto the Rewind Axle



NOTICE !

First remove the spring from the rewind axle !

1. Loosen the screws (1) and remove the spring.
2. Feed the label strip over the guide axle (8) and under the roller (9) to the rewind axle (7). If you use the device for rewinding the labels on the inside, you must lead the label strip over the rewind axle (10).



NOTICE !

Consider the required direction of rewinding :

- The broken line is valid for inside wound labels.
- The full line is valid for outside wound labels.

3. Attach the label strip appropriately to the rewind axle by sliding the clamp (5) over the label strip with the clamp set in the groove of the rewind axle (7).
4. Slide the clamp (5) as far as possible towards the disc (6).
5. Slide the flange (4) onto the rewind axle so that it slightly touches the label strip. The label strip must be able to move between the disc and the flange.
6. Tighten the knurled screw (3) on the flange.
7. Switch on the rewinder on the power switch.

Rewinding onto 1.6 in. (40 mm) Cardboard Core

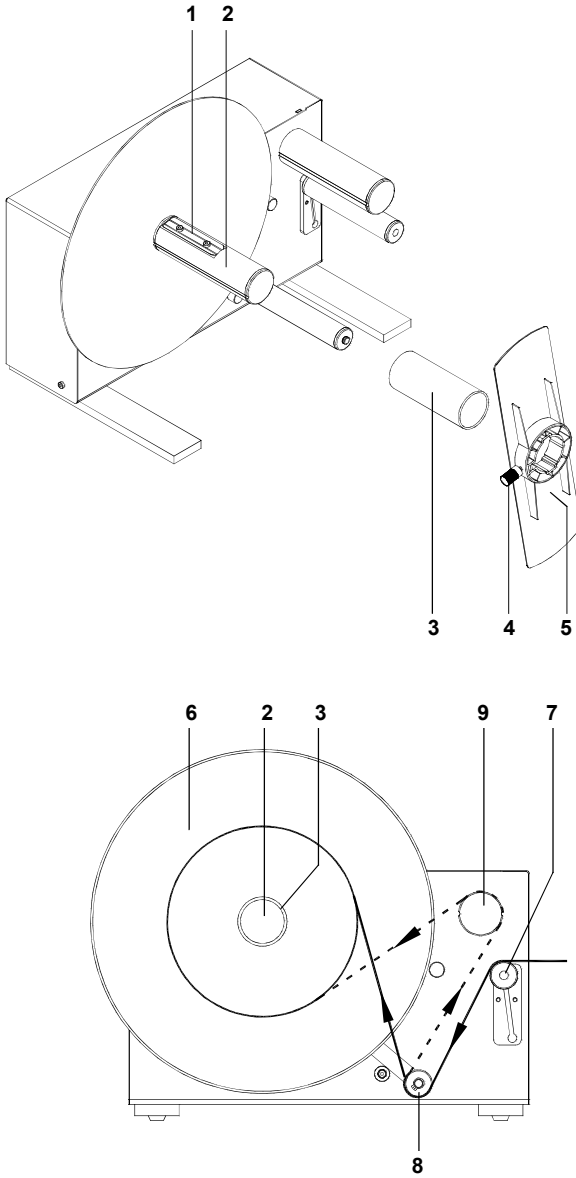


Fig. 6 Rewinding onto 1.6 in. (40 mm) Cardboard Core
(drawing below without flange)

**NOTICE !**

Make sure that the spring (1) is mounted on the rewind axle (2) !

**NOTICE !**

Consider that the cardboard core (3) should be about .04 in. (1 mm) wider than the label strip !

1. Put the cardboard core (3) on the rewind axle (2).
2. Feed the label strip over the guide axle (7) and under the roller (8) up to the cardboard core (3). If you use the device for rewinding the labels on the inside, you must lead the label strip over the rewind axle (9).

**NOTICE !**

Consider the required direction of rewinding :

- **The broken line is valid for inside wound labels.**
- **The full line is valid for outside wound labels.**

3. Affix the end of the label strip with consideration of the selected rewinding direction to the cardboard core using adhesive tape or label.
4. Slide the flange (5) with the knurled screw outward onto the rewind axle until it stops.

**NOTICE !**

When using small labels it is possible that the cardboard core not covers the spring over the whole length. In this case the groove on the flange must be aligned so that it fits on the spring of the rewind axle.

5. Tighten the knurled screw (4) on the flange.
6. Switch on the rewinder on the power switch.

Rewinding onto 3 in. (76 mm) Cardboard Core

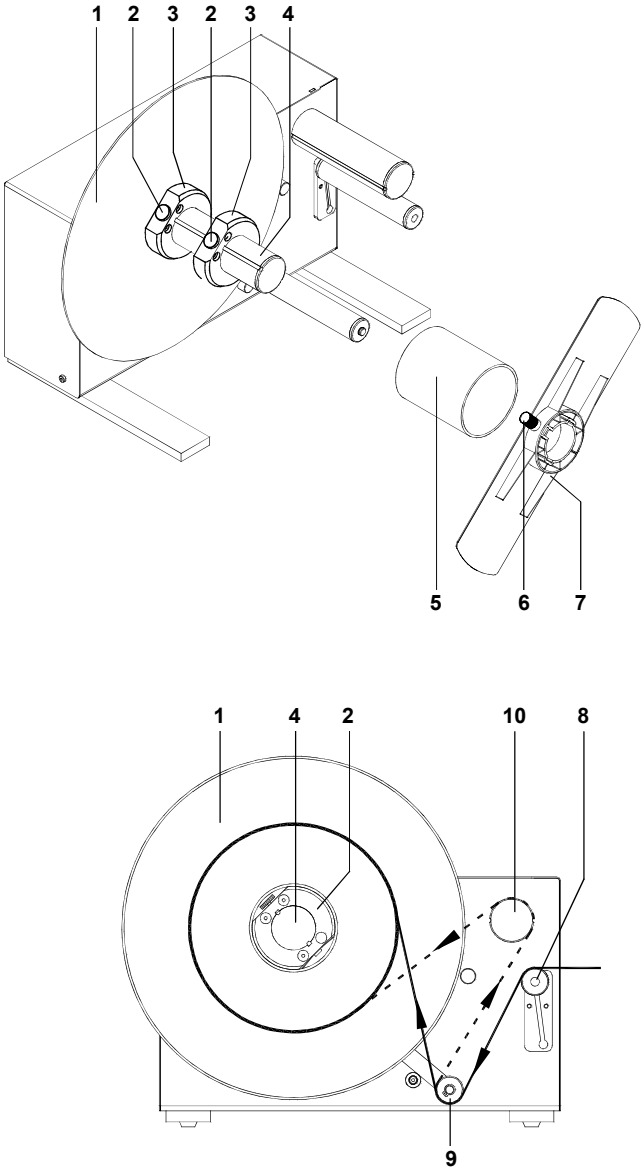


Fig. 7 Rewinding onto 3 in. (76 mm) Cardboard Core (drawing below without flange)



NOTICE !
Remove the spring from the rewind axle !



NOTICE !
Consider that the cardboard core (3) should be about .04 in. (1 mm) wider than the label strip !

1. Put the first rewind adapter (3) onto the rewind axle (4) and slide it up to the disc (1) until it stops.
Make sure that the knurled screw (2) of the rewind adapter is led in the groove of the rewind axle.
Tighten the knurled screw (2).
2. Put the second rewind adapter (3) onto the rewind axle (4) and slide it towards the first adapter until the clearance between the outer edge of it and the disc (1) is a little less than the width of the cardboard core.
Tighten the knurled screw (2).
3. Put the cardboard core (5) on the rewind axle (2).
4. Feed the label strip over the guide axle (8) and under the roller (9) up to the cardboard core (5). If you use the device for rewinding the labels on the inside, you must lead the label strip over the rewind axle (10).



NOTICE !
Consider the required direction of rewinding :
- The broken line is valid for inside wound labels.
- The full line is valid for outside wound labels.

5. Affix the end of the label strip with consideration of the selected rewinding direction to the cardboard core using adhesive tape or label.
6. Slide the flange (7) with the knurled screw outward onto the rewind axle until it stops.
7. Tighten the knurled screw (6) on the flange.
8. Switch on the rewinder on the power switch.



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EU - Conformity Declaration

We declare herewith that as a result of the manner in which the machine designated below was designed, the type of construction and the machines which, as a result have been brought on to the general market comply with the relevant fundamental regulations of the EU Rules for Safety and Health. In the event of any alteration which has not been approved by us being made to any machine as designated below, this statement shall thereby be made invalid.

Description:

External Rewinder

Type:

External Rewinder ER4/300

Applied EU Regulations and Norms:

- **EC Machinery Regulations**

- Machine Safety

98/37/EU

EN ISO 12100-1:2003

EN ISO 12100-2:2003

- **EC Low Voltage Regulations**

- Data and Office Machine Safety

73/23/EEC

EN 60950-1:2001

- **EC Electromagnetic Compatibility Regulations**

- Threshold values for the Interference
of Data Machines

- Limits for harmonic current emission

- Limits of voltage fluctuation and flicker

- Immunity characteristics-

Limits and methods of measurement

89/336/EEC

EN 55022:1998 + A1:2000 +

A2:2003 - Class A

EN 61000-3-2:2000

EN 61000-3-3:1995+A1:2001

EN 55024:1998 + A1:2001 +

A2:2003

Signed for, and on behalf of, the Manufacturer :

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All specifications about delivery, design, performance and weight are given to the best of our current knowledge and are subject to change without prior notice.