Collamat

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Collamat 2600
Operating Instructions

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2   *Important warnings*

Before installing and operating the Collamat 2600 read the following safety instructions:

The labeler C2600 is exclusively determinated for labelling goods.

The installation of a Collamat 2600 has to be done by a trained specialist.

For this you have to consider the national specific regulations of.

• prevention of accidents
• mechanical stability
• construction of electrical and mechanical systems
• noise suppression

Take notice of the technical data of the Collamat 2600. Especially the environment conditions must be observed.

The operation of the Collamat 2600 must be done by trained personnel.

In case of non-authorized modifica- tions, guarantee will fall.

Before connecting non-standard products, ask your competent technical supporter.

3   *Danger indications*

The safety symbols and danger advices on the Collamat 2600 and in this manual must strictly be observed.

Before connecting or disconnecting the labeler C2600 it must be switched off.

The labeler C2600 may only be opened by authorized personnel.

It exists danger of pinching hair, jewelry, ties, clothes etc. into the traction unit.

It exists danger of injury by cutting in the area of the paperweb.

It exists danger of injury in the area of the dancers of the unwinder of the Collamat 2600.

To operate the labeler the operating personnel must keep to a safe place to prevent injury by the products being labeled.

4 Introduction

Characteristic features of the Collamat 2600-system:

- low wearing, no clutch/brake system
- compact, easy handling due to flying modular design
- easy to operate

The modular concept allows homogeneous fastening of the peripheral devices on one module-bar (position bar with integrated scale). The respective electronic control is integrated in the device itself.

The communication between each peripheral device happens via the bus-system which is placed in the module-bar of this system.

The operating elements for the dispensing speed, predispensing, optical label scanner as well as the main switch with the optical display are placed directly on the traction unit case.

All parts are corrosion-resisting and the tractionroller of the traction unit is furnished with a special coating to assure a lasting slip-free transmission of the torque onto the carrier paper of the label strip. The rewinding power of rewinder spindle as well as the brake force of the paper brake can be adjusted on the traction unit from the outside.

5 Mechanical adjustment of the dispenser

## 5.1 Threading of the label web
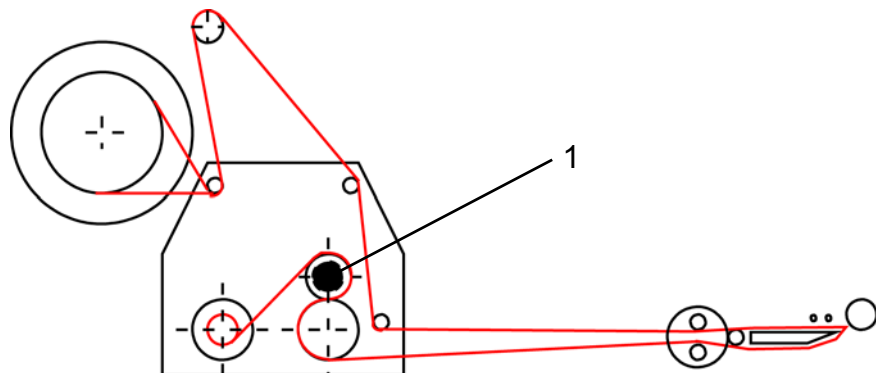
Thread label web according to illustration up to the dispensing edge and pull forward approx. 1 m.

Detach labels from the carrier strip where it has been pulled forward. Then, by turning knob (1) open the counter- pressure roller, fold down the carrier paper (backing paper) over the dispensing edge and finish threading the label strip according to the illustration above.

Close the counter-pressure roller. Adjust the lateral guides to leave a space of 0,5 mm between them and the label strip.
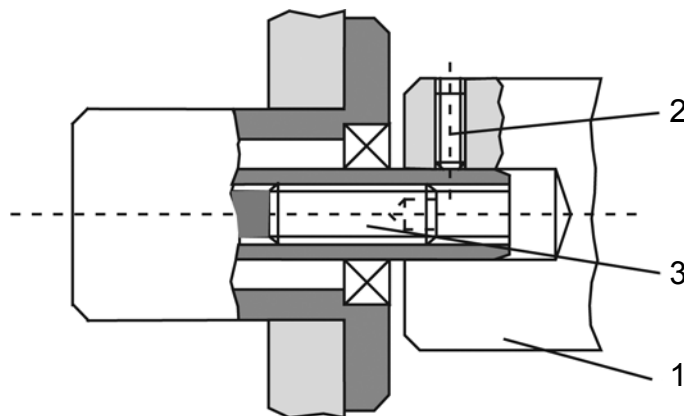
5.2   *Adjust paper brake powert*
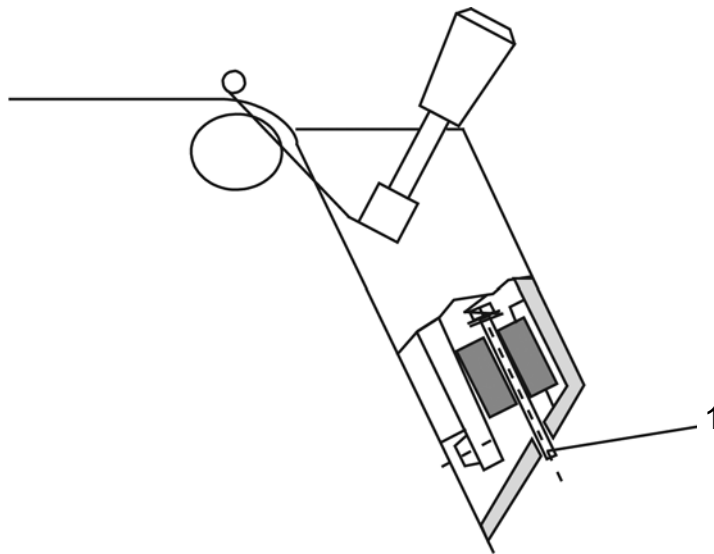
The paper brake is adjusted to an optimal value at the factory. Any necessary adjustments are to be made from the outside with the M3-screw (1) inside of the label-end case of the dispenser.

Screw in = higher brake power

Screw out = lower brake power
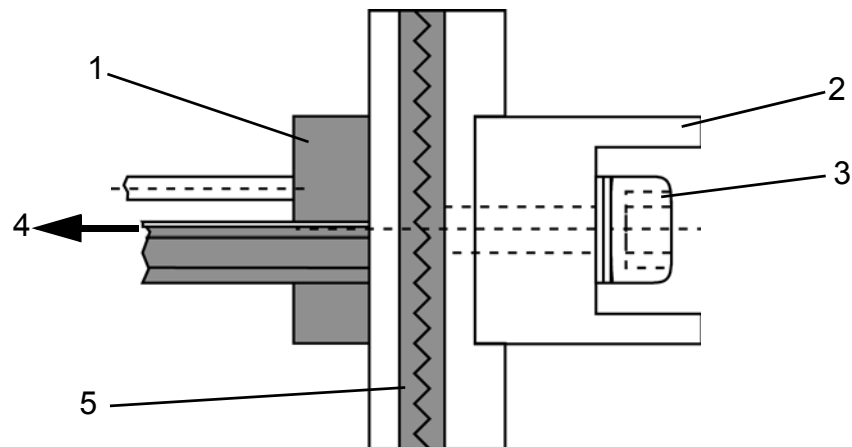
5.3   *Adjust coupler power of rewinder*

The coupler power of the rewinder spindle is adjusted at the factory. Any ne-cessary adjustments can be made as follows:

Take off rewinder spindle (1) after loosening M5-screw (2).

Screw in M8-screw (3) = harder coupler power.

Screw out = softer coupler power.
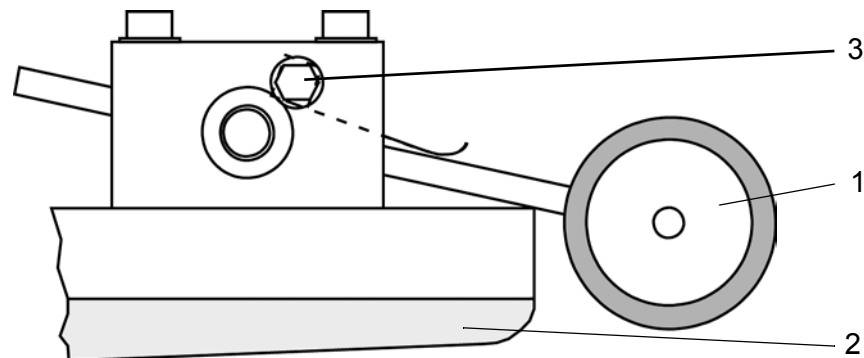
5.4   Adjust set flap adapter

The tilt of the flap adapter(1) in reference to the module-bar (2) can be adjusted:

Loosen screw (3) (see illustration), using special hexagon spanner for two rotations.

Pull out the adapter in direction of arrow (4) and tilt it into the desired position on ring (5).
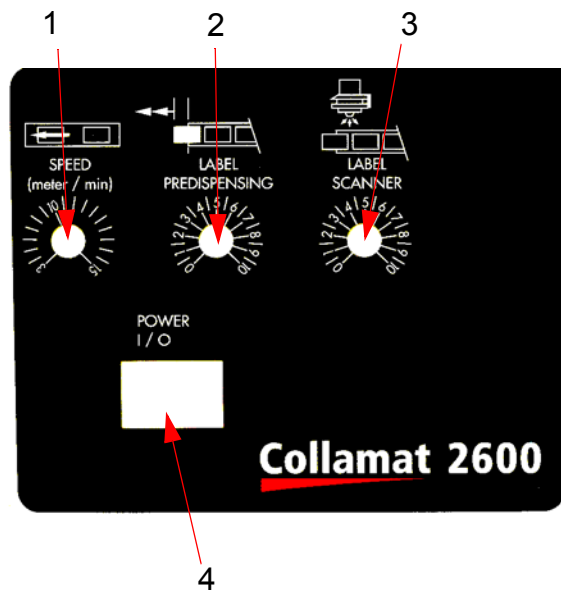
Thighten nut (3).

5.5   Set pressure roller of the adapter

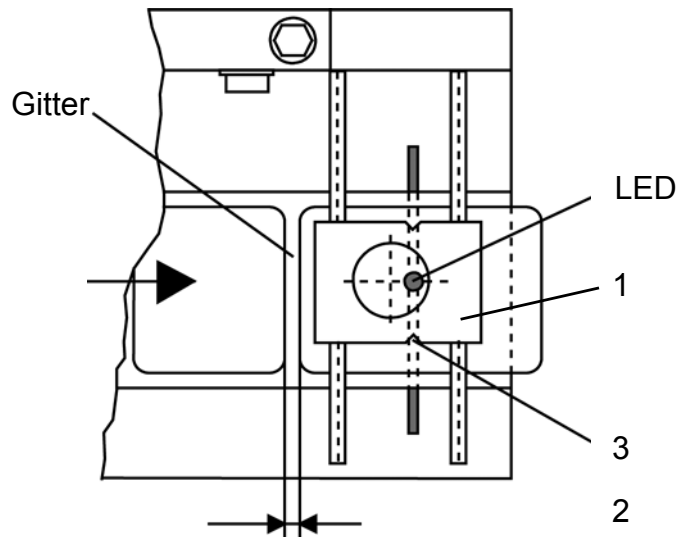The pressure roller (1) of the adapter (2) can be adjusted according to label and goods:

Pressing force adjustment with hexagon screw (3).

6 Operating elements / Setting elements

1. Dispensing speed

2. Predispensing

3. Optical label scanner

4. Main switch ON/OFF

6.1 Optical label scanner (Label scanner)

The optical label scanner is built into the dispensing edge. The scanner head (1) can be displaced laterally thanks to a wide optical light guide (2) inside the dispensing edge. A lengthwise displacement is not requested as this is done electronically.

1. Receiver of the label scanner

2. Transmitterof the label scanner (inside dispensing edge)

3. Marking on receiver head

6.1.1 Setting:

Switch on traction unit (Power ON), main switch lights up.

Set potentiometer LABEL SCANNER for optical label scanning to zero. LED lamp on receiver (1) lights up.

Move label interval (labelweb) right underneath marking (3) of the receiver head (1). Turn potentiometer LABEL SCANNER until LED lamp on receiver (1) goes off. Please note figure on potentiometer scale.

Move label right underneath marking (3), the LED lamp on the receiver head (1) lights up again. Continue to turn the potentiometer LABEL SCANNER until the LED lamp switches off. Please note the new figure on the potentiometer scale.

The optimal setting of the potentiometer for the optical scanning is between the above two figures.

6.1.2 Example:

Setting of the potentiometer on label screen:

LED lamp switches off at 3

Setting of potentiometer on label:

LED switches off at 6

Therefore, the optimal setting of the potentiometer is at 4.5.

6.1.3 Note:

If the optical scanning is set incorrectly the label interval cannot be recognized and the dispenser stops after dispensing approx. 0.75 m of the label strip.

6.2 Label predispensing

The potentiometer LABEL PREDISPENSING allows to predispense to a maximum of 100 mm from the marking on the receiver head.

ATTENTION:
If the predispensing length exceeds the label lengt, the labeller may not operate accurately.

6.3   *Dispensing speed*

The dispensing speed is set with the potentiometer SPEED in m/min.

Dispensing speeds:

Collamat 2610: 3 to 15 m/min.

7   *Maintenance*

On the Collamat 2600 the winder clutch and the unwinder must periodically be serviced. The interval of the service depends on the duty and environment conditions of the labeller. Usually every 2000 working hours or 500'000 labels of 100mm feeding length the service must be performed. Then depending on the status of the labeller it must be figured out to do the service in shorter of longer intervals. The the following items must be regarded:

The traction roll must be checked for wear. It must have grip. Otherwise it must be replaced. To check just compare the grip at the location where the backing paper is transported to the the lateral parts which are not used for paper transport.

Also the dispensing edge must be checked for wear. If there is a tactual notch at the backingpaper's location the dispensing edge must be replaced. A weared dispensing edge can lead to breaks of the paperwebs.

For further details refer to the technical handbook. This book can be ordered at your local Collamat representation.

8 Dimensions
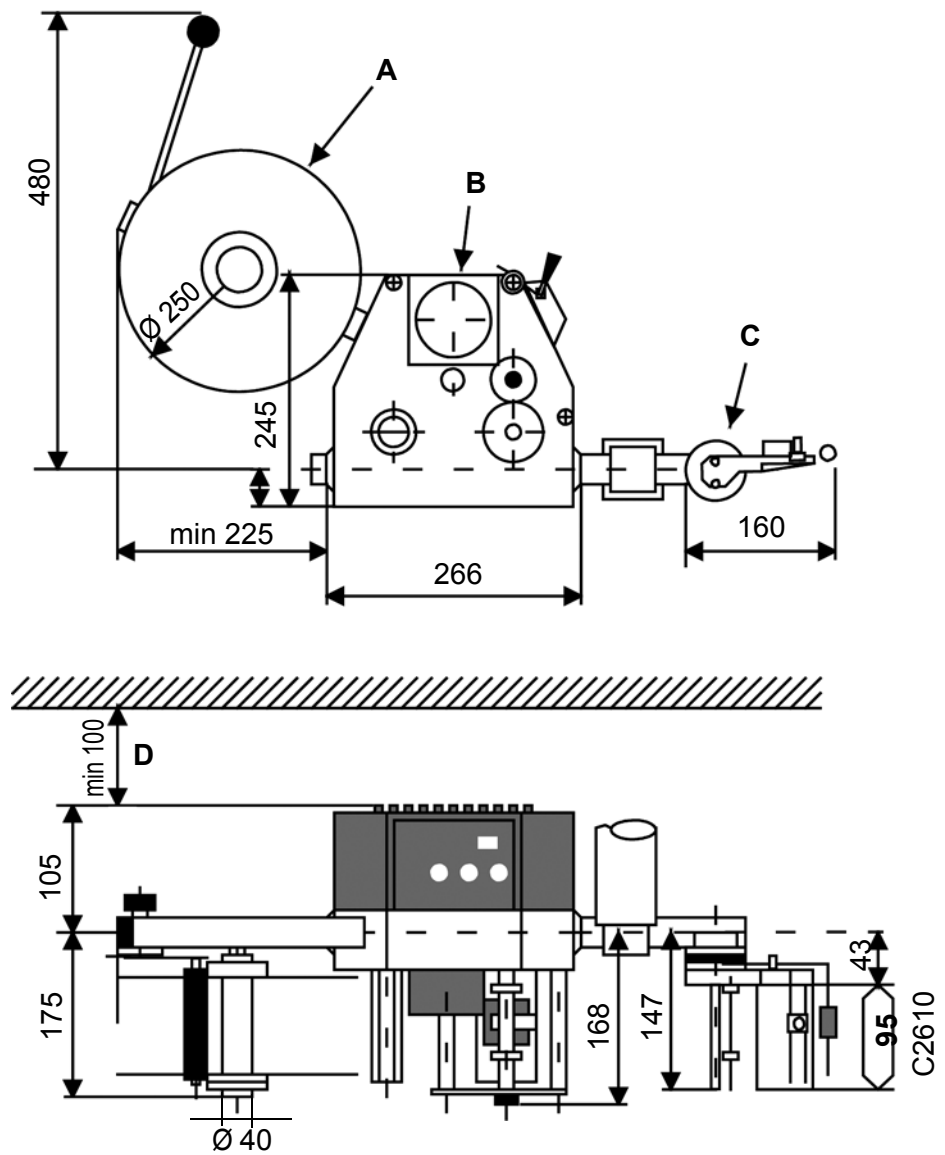
A: Unwinder

B: Traction unit

C: Flap adapter

D: For lid dismantling

OpInstructions_En.fm

9   Revision

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First Release
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