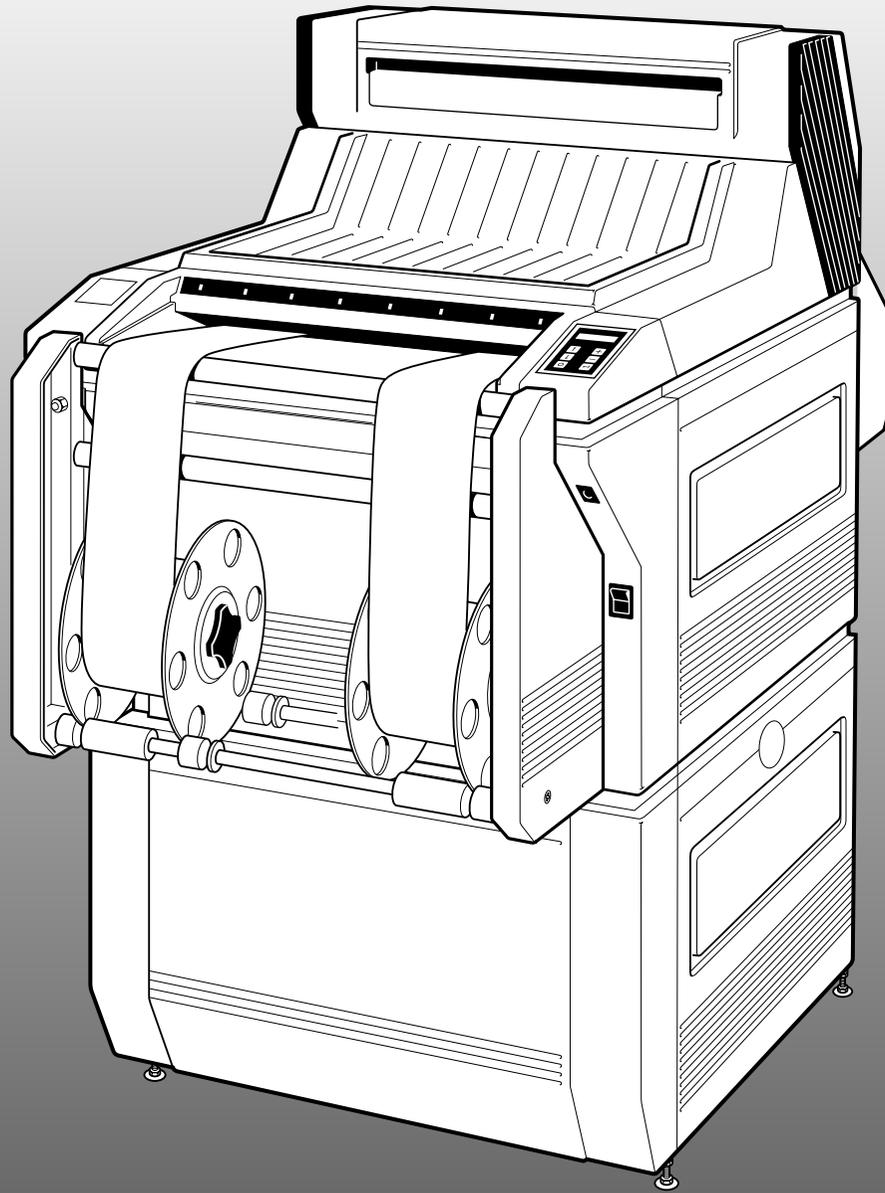


50/60Hz

ILFORD
OPERATING MANUAL

ILFOLAB
MG 2950

ROLL FEED ATTACHMENTS
FOR PROCESSING
ROLLS OF BLACK AND WHITE PAPER



IL921



SAFETY PRECAUTIONS

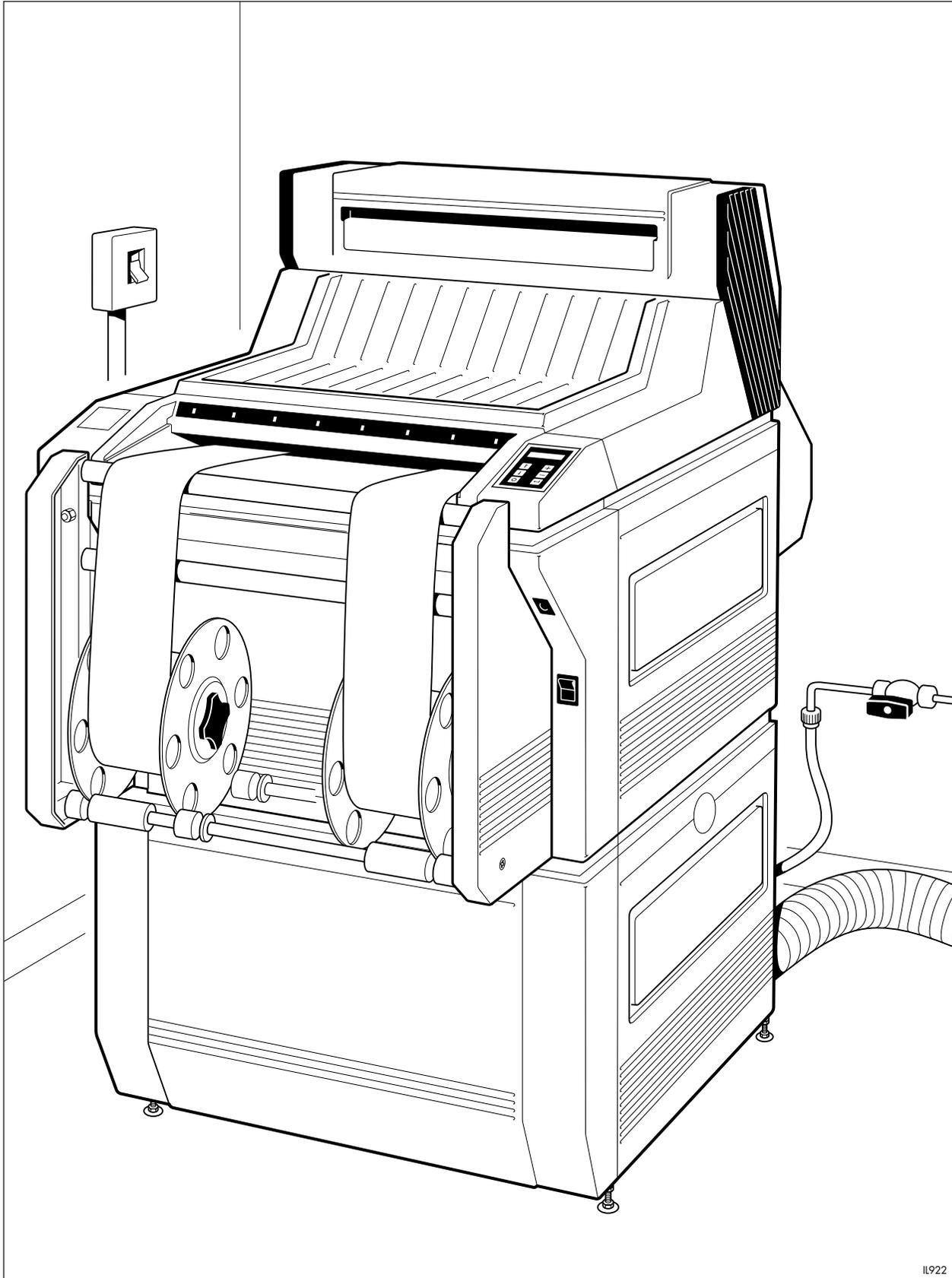
Your photographic equipment is powered by mains electricity, and is designed to comply with international electrical safety standards. However, basic safety precautions must always be followed when operating electrical equipment, including the following, where applicable:

- 1 Read and understand all instructions.
- 2 Observe labels on the equipment, particularly those advising of possible hazards.
- 3 Close supervision is necessary when the equipment is being used by inexperienced personnel.
- 4 Take care to avoid burns. Some internal parts of the equipment can become very hot with continuous use.
- 5 Do not operate equipment that has been dropped or damaged, or has damaged electrical leads. Have the equipment examined by qualified personnel.
- 6 Do not allow any electrical lead to touch hot surfaces.
- 7 Ensure the leads are arranged such that they cannot be pulled or tripped over.
- 8 Ensure the air flow through the vents is not obstructed when operating the equipment. An obstructed air vent can lead to overheating.
- 9 Do not dismantle the equipment unless you are qualified to do so. Incorrect assembly can cause hazards both to yourself and to the equipment.
- 10 Always obey local codes of practice, particularly for installation requirements.

Do not destroy these instructions

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Figure 1.1

Roll feed attachments - typical installation

1

INTRODUCTION

See figure 1.1.

Roll feed attachments are fitted to the ILFOLAB MG2950 processor to process rolls up to a maximum width of 50.8cm (20 inches) and maximum length of 152m (500 feet). Rolls can be made ready for processing spooled emulsion out (EO) or emulsion in (EI). Typically, 800 20.3x25.4cm (8x10 inch) prints per hour can be fully processed and spooled emulsion out.

This leaflet supplements the information detailed in the ILFOLAB MG2950 Operating Manual supplied with the processor.

1.1 Components of roll feed attachments

Roll feed attachments comprise the following items:

- 1 Unwinder unit.
- 2 Rewinder unit.
- 3 Two pairs of unwinder flanges (colour coded black).
- 4 Two pairs of rewinder flanges (colour coded white).
- 5 Fixing pack comprising nuts, washers, mounting posts and blanking plugs.

1.2 Optional extras

The standard roll feed attachments kit is supplied with the unwinder unit suitable for operating in complete dark or safelight conditions only. It is not suitable for operating in white light conditions. An additional kit is available for operating roll feed attachments in white light conditions. The white light cover kit is supplied as an optional extra with full fitting and operating instructions. To order the kit, please contact your nearest ILFORD Selling Company, and quote part number 6194-P-091.

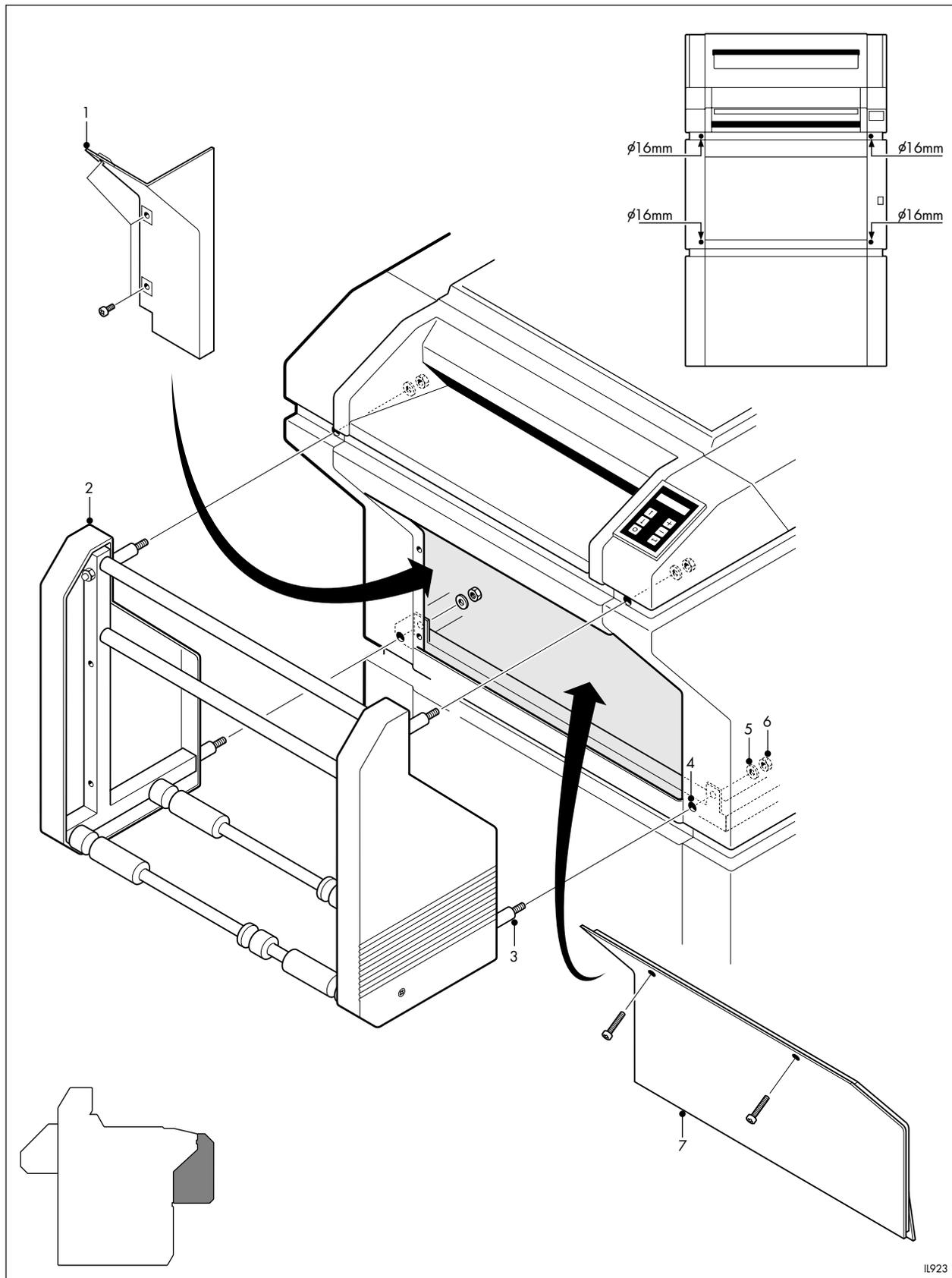


Figure 2.1

Unwinder unit - installation

2

INSTALLATION

Figure 2.1

- 1 Internal electrical panel
- 2 Unwinder unit
- 3 Mounting post
- 4 Drilled hole
- 5 Washer
- 6 Nut
- 7 Processor panel, front upper

2.1 Assembly - unwinder unit

See figure 2.1.

The unwinder unit is fitted to the front of the processor.



CAUTION

This procedure requires access to the electrical compartment. Do not carry out any other darkroom procedures involving the use of liquids, or leave the processor unattended, while the electrical cover is removed. Pay particular attention to switching off the mains isolator as well as the processor.

- 1 Release the two screws and remove the processor front upper panel.
- 2 Release the three screws and remove the internal electrical panel.
- 3 Locate the two dimples on each of the left and right hand upright panels on the processor. Use a 16mm (0.625 inch) diameter hole saw to drill a hole at each dimple.
- 4 Locate the four mounting posts fixed to the unwinder unit through the four holes, and secure the mounting posts to the processor frame with the nuts and washers.
- 5 Refit the internal electrical panel. Secure the panel with the three screws.
- 6 Refit the processor front upper panel. Secure the panel with the two screws.

Note

Four blanking plugs are supplied to seal the holes in the panels if the roll feed attachments are removed from the processor.

2.2 Assembly - rewinder unit

See figure 2.2.

The rewinder unit is fitted to the rear of the processor.

- 1 Release the two screws and remove the processor rear lower panel.
- 2 Release the four screws and remove the processor rear upper panel.
- 3 Locate the four dimples on the cover. Use a 16mm (0.625 inch) diameter hole saw to drill a hole at each dimple.

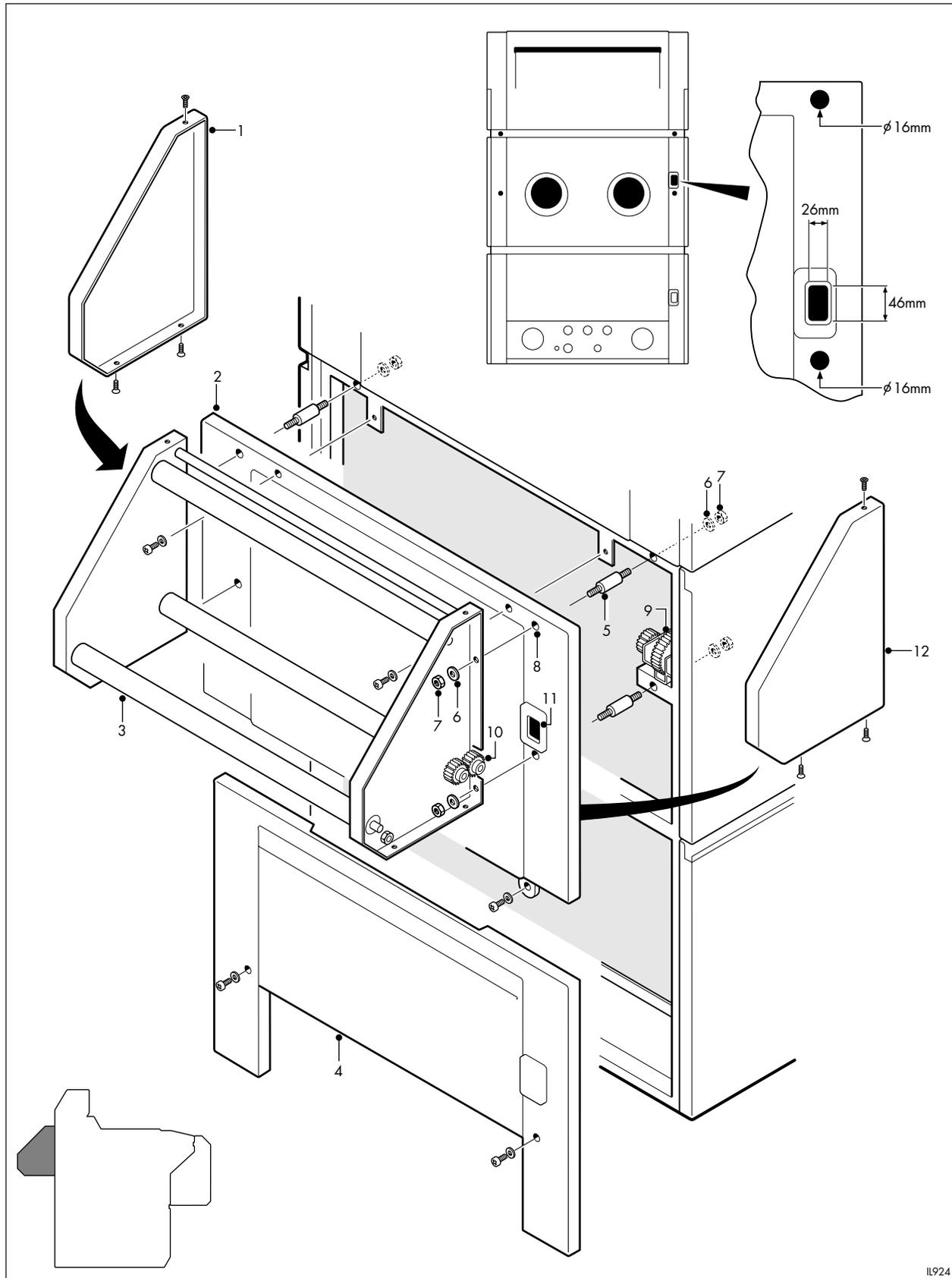


Figure 2.2

Rewinder unit - installation

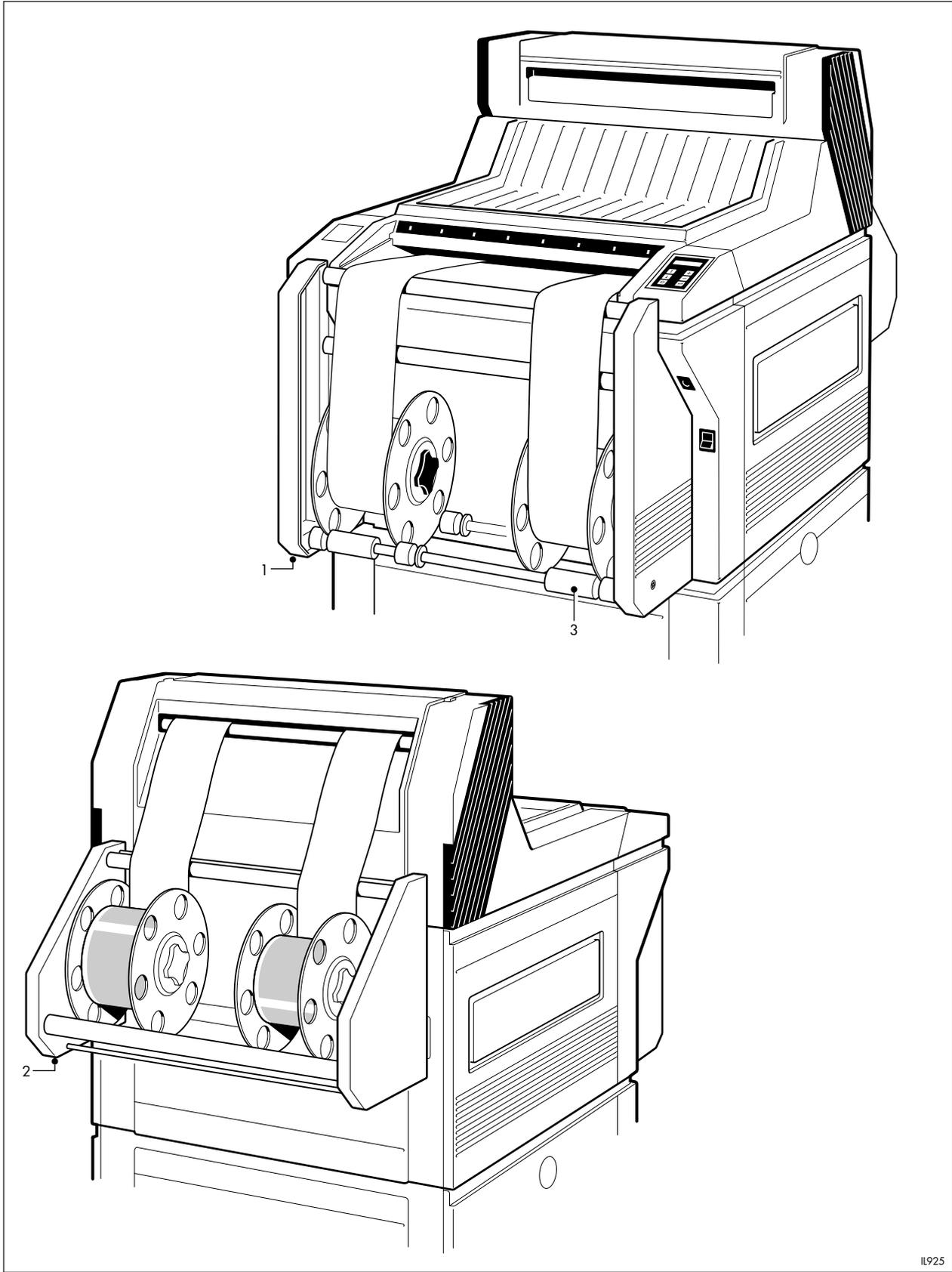
Figure 2.2

- 1 Side cover, left hand
- 2 Processor panel, rear upper
- 3 Rewinder unit
- 4 Processor panel, rear lower
- 5 Mounting post
- 6 Washer
- 7 Nut
- 8 Drilled hole
- 9 Processor main drive gear
- 10 Rewinder unit drive gear
- 11 Cut-out for drive gears
- 12 Side cover, right hand

- 4 Locate the raised boss on the right hand side of the cover and, using a sharp knife with care, cut around the boss to leave a hole 26x46mm (1x1.8 inches). This hole enables the drive gear on the rewinder unit to mesh with the processor main drive gear.
- 5 Secure a mounting post through each of the four holes in the processor frame with the nuts and washers.
- 6 Refit the processor rear upper panel, with the mounting posts protruding through the four holes. Secure the panel with the four screws.
- 7 Refit the processor rear lower panel. Secure the panel with the two screws.
- 8 Release the three screws and remove each of the left and right hand side covers from the rewinder unit.
- 9 Secure the rewinder unit to the free ends of the mounting posts with the nuts and washers, at the same time, ensure the rewinder unit drive gear meshes correctly with the processor main drive gear.
- 10 Refit the left and right hand side covers to the rewinder unit. Secure each cover with the three screws.

Note

Four blanking plugs are supplied to seal the holes in the processor rear upper panel if the roll feed attachments are removed from the processor. A blanking piece is supplied for the hole cut in the rear panel (to enable the drive gears to mesh).



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Figure 3.1

Using roll feed attachments

3

USING ROLL FEED ATTACHMENTS

Figure 3.1

- 1 Unwinder unit
- 2 Rewinder unit
- 3 Positioning spacer

3 USING ROLL FEED ATTACHMENTS

See figure 3.1.

3.1 ROLL CONFIGURATIONS

The ILFOLAB MG2950 roll feed attachments are used to process general purpose, medium weight, resin coated (RC) paper rolls up to a maximum length of 152m (500 feet) and a maximum width of 50.8cm (20 inches). For more information, refer to the specification detailed in the ILFOLAB MG2950 processor Operating manual. Multiple rolls can be processed together, within the maximum width, and the combinations are detailed in table 3.1.

Table 3.1 Multiple roll processing - recommended combinations

Roll width	Quantity
50.8cm (20 inches)	1
30.5cm (12 inches)	1*
25.4cm (10 inches)	1+
20.3cm (8 inches)	2
12.7cm (5 inches)	3
10.2cm (4 inches)	3
8.9cm (3½ inches)	4

* plus 1x12.7cm (5 inches) roll
+ plus 1x20.3cm (8 inches) roll

3.2 REEL FLANGES

See figure 3.2.

Figure 3.2

- 1 Reel flange
- 2 Cardboard core

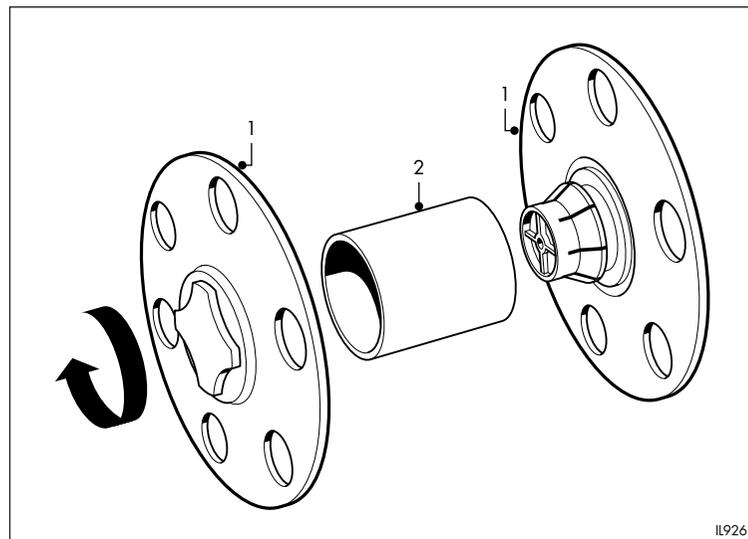


Figure 3.2 Assembling reel flanges and cardboard cores

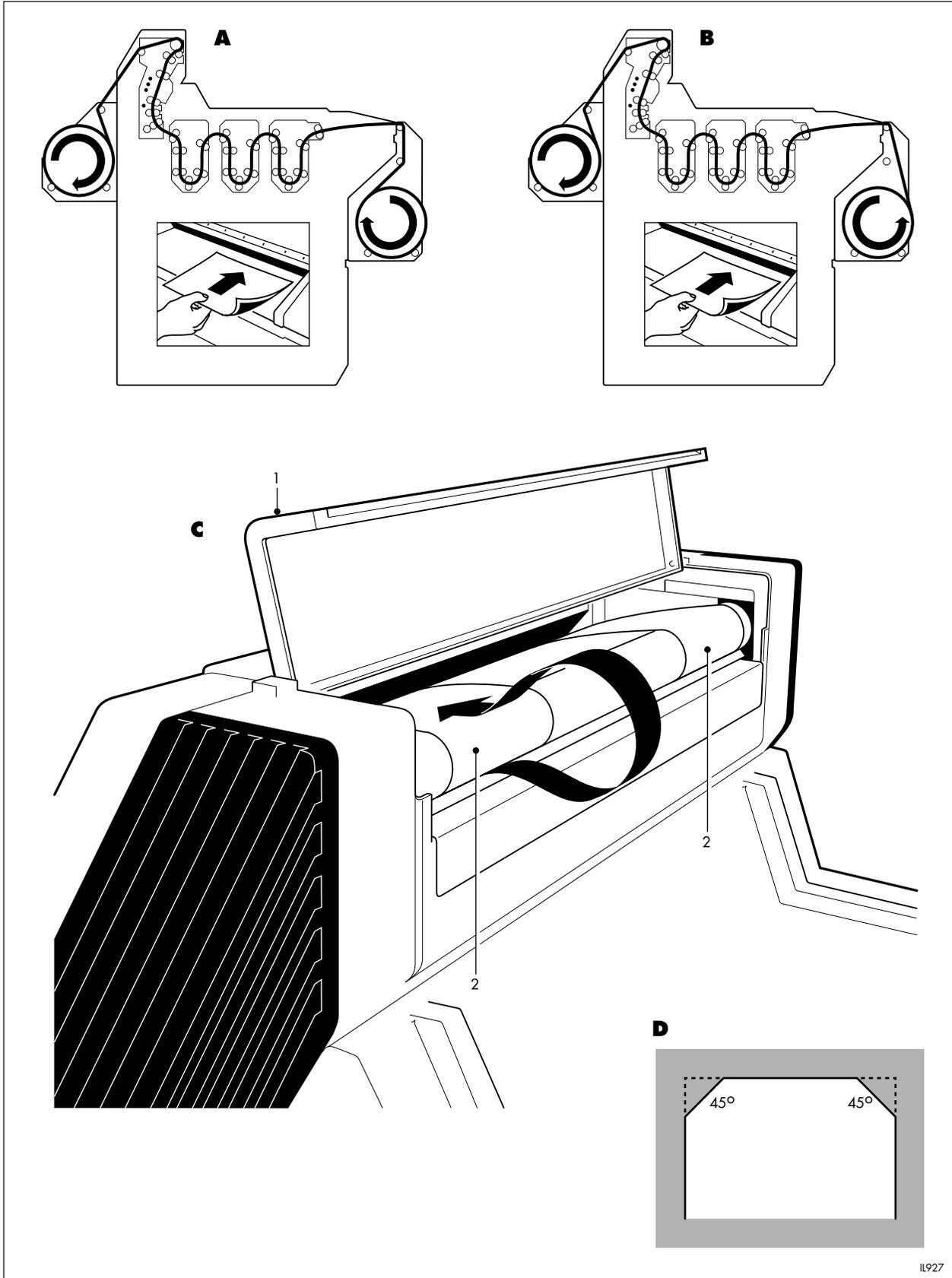


Figure 3.3

Connecting the leading edge of the roll to the rewinder unit

-
- Figure 3.3**
- 1 Dryer top lid
 - 2 Processed paper

Detail A

Paper path for rolls supplied emulsion side out (EO).

Detail B

Paper path for rolls supplied emulsion side in (EI).

Detail C

Routing the leading edge to the rear of the processor.

Detail D

Leading edge of paper roll showing recommended trim.

Two types of reel flange are supplied. The locking nuts are colour coded black (for use on the unwinder unit at the front of the processor) or white (for use on the rewinder unit at the back of the processor). Do not interchange the flanges. The flanges colour coded black have centres that free wheel, to allow the roll to unwind easily. The flanges colour coded white have fixed centres, to enable the processed roll to rewind easily. Secure the flanges to the cardboard cores as follows. The sequence is the same for the paper roll to be processed and the empty rewind core, but remember the correct colour coding.

- 1 Slacken the centre locking nut by turning the nut anti-clockwise.
- 2 Insert the reel flange boss into the cardboard core.
- 3 Secure the flange by turning the locking nut clockwise. Do not over tighten.

3.3 PROCESSING ROLLS

See figure 3.3.

For successful roll processing, please observe the following simple rules:

- a Processing multiple rolls. The processor runs at a high speed. Please ensure the spooling of one roll is under way before the adjacent roll is fed into the processor.
 - b Do not leave the processor unattended until the leading edge of all rolls being processed are securely wound onto the rewinder unit.
 - c Do not process rolls and sheets simultaneously.
 - d Use flanges supplied by ILFORD only.
- 1 Prior to feeding the roll into the processor, it is recommended that the leading edge corners are trimmed off at an angle of 45° (see detail **D**). Correct any curl in the paper by bending the paper gently against the curl. This will minimise the possibility of paper jamming in the processor.
 - 2 Switch the mains isolator and processor on. Ensure the correct dryer program is selected for processing rolls. See the ILFOLAB MG2950 processor Operating Manual.
 - 3 Position the roll to be processed on the unwinder unit so that the

paper is fed into the processor emulsion side down. Ensure one of the two flanges is located in the plastic positioning spacer (see figure 3.1). Position an empty core and flange assembly on the rewinder unit.

Note

The roll to be processed can be supplied emulsion in (EI) or emulsion out (EO). Ensure the correct configuration is used to feed the paper emulsion side down into the processor (see details **A** and **B**). Ensure all flanges are colour coded correctly (see section 3.2).

- 4 Feed the leading edge of the roll into the processor. The paper will be transported through the processor and the rewinder unit will be directly driven from the processor drive gear.
- 5 Approximately 63 seconds later, the leading edge will be returned to the operator in the same way as sheets. Direct the paper to the rewinder unit by lifting the dryer top lid and looping the paper over the large upper exit roller to allow the paper to pass through the rear exit slot (see detail **C**).
- 6 Spool the paper onto the empty cardboard core, as shown. All rolls are spooled with the emulsion side out.
- 7 Close the dryer top lid.

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