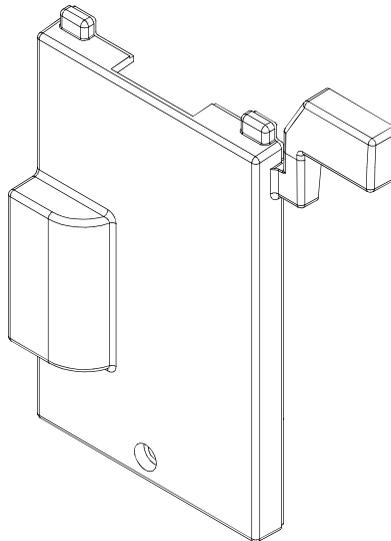


# Present Sensor PS4 for Transfer Printer A2 Gemini

Part.-No. 5946336

Operator's Manual

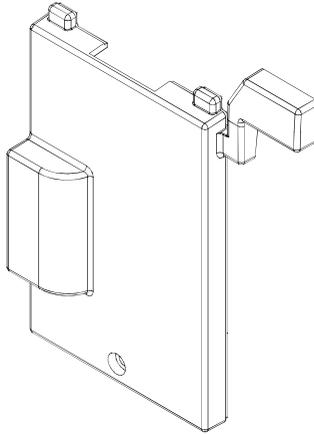
Edition 10/03



## Product Description

When connected to an **A2 Gemini P**-version printer, the optional **Present Sensor PS4** allows for on-demand label dispensing (peel-off mode). When using on-demand label dispensing, the labels are printed one at a time. The printing cycle is then stopped until the label has been removed. When the present sensor registers the label has been removed, an automatic backfeed is performed and the next label is printed and advanced to the dispense position awaiting removal. When using on-demand label dispensing, the liner is automatically peeled away from the media and wound onto the internal rewind.

Connection is made between the present sensor and the printer using the peripheral connector on the printer.



**Fig. 1 Present Sensor PS4**

## Technical Specifications

<b>Label Width :</b>	1-4.6 in (25-116 mm)
<b>Label Length :</b>	minimum .5 in (12 mm)
<b>Power Supply :</b>	Peripheral port on the printer

The media width and height printed above are suggested specifications for media when using the present sensor. Preliminary tests are recommended, if you want to use :

- media which is smaller than the specifications above.
- very thin media.
- very thick silicon liner.
- media with aggressive adhesive.
- transparent media.

## Safety Instructions

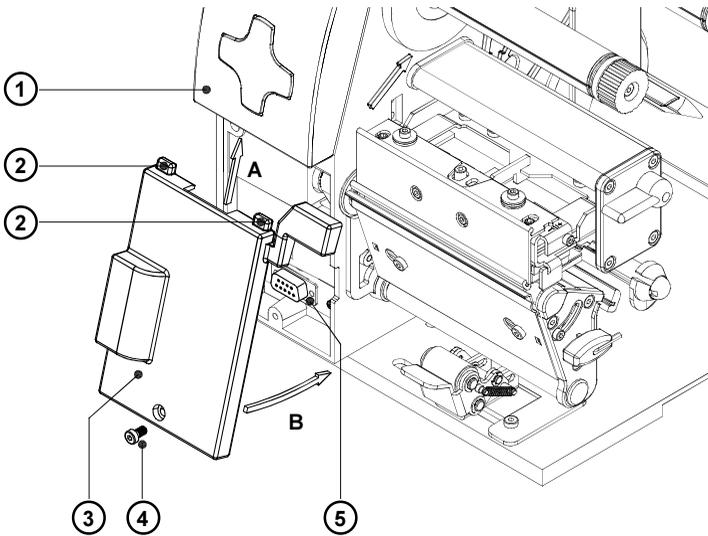


### CAUTION !

- The printer must be powered off before attaching the present sensor!
- The present sensor may only be used for the purposes described in this manual. Using the present sensor for any other purpose is not allowed !

## Mounting the Present Sensor

For operating the printer in peel-off mode, the present sensor must be mounted.



**Fig. 2 Mounting the Present Sensor**

1. Switch off the printer.
2. Slide the guiding pins (2) of the present sensor (3) according to arrow A under the control panel cover (1).
3. Swing the lower edge of the present sensor according to arrow B against the printer. Make sure the plug-in connector of the present sensor is inserted into the 15 pin peripheral port (5) of the printer.
4. Secure the present sensor (3) by tightening the screw (4).

## Loading Labels

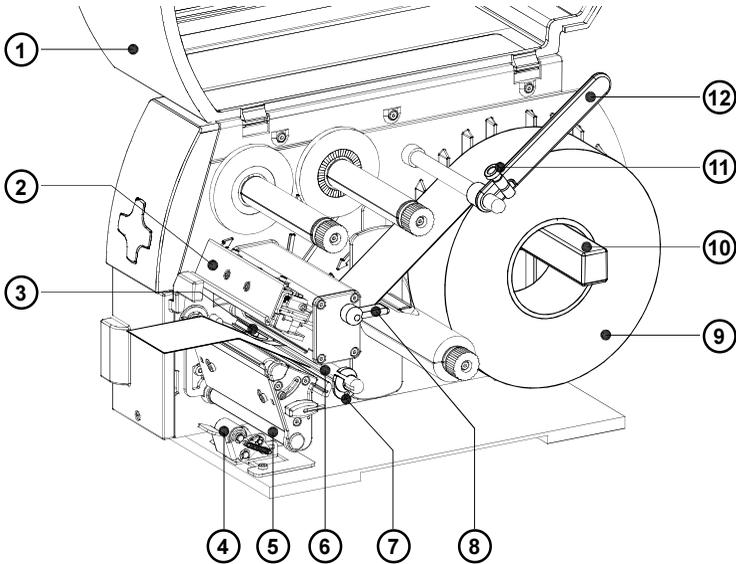


Fig. 3 Label Loading I

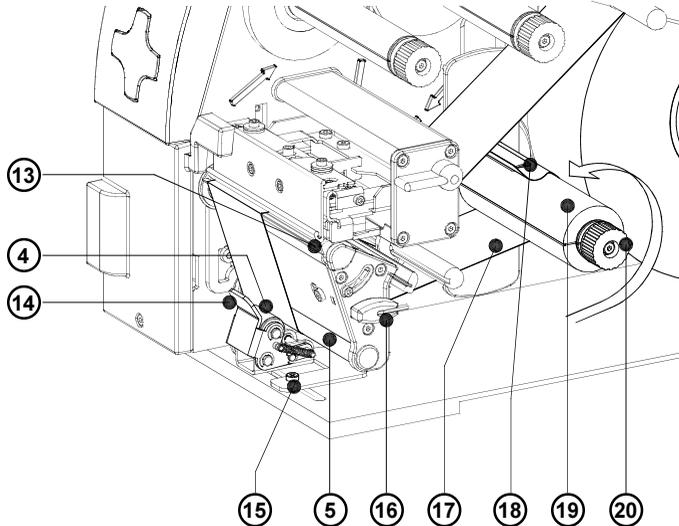


### NOTICE !

Pay attention to the general instructions for loading labels in the Operator's Manual of the printer.

1. Open the cover (1).
2. Loosen the knurled screw (11), swing the media retainer (12) upwards and slide it out as far as possible.  
If you are using material with the same width as the previous material, just swing the media retainer (12) upwards.
3. Place the media roll (9) onto the media hub (10) and unwind a strip of media from the roll. Make sure that the strip is long enough to reach the internal rewinder (19) by guiding the strip through the whole print mechanism and underneath of it. Make sure that the labels between the media hub and the print mechanism are facing up. Slide the roll onto the media hub until its stops.
4. Swing the media retainer (12) downwards until it touches the media hub (10). Push the media retainer against the supply role until it rests against the label media. Tighten the knurled screw (11).
5. Raise the printhead assembly (2) by rotating the lever (8) clockwise until it stops.

6. Slide the media guide ring (7) outward, allowing enough clearance for the label stock's width when loaded.
7. Swing the locking system (4) away from the rewind assist roller (5).
8. Slide the media strip underneath the axle (6) and through the adjustable photocell assembly (3) until it comes out of the front of the printer.



**Fig. 4 Label Loading II**

9. Remove all labels from the media strip hangig out of the printer. Then, slide the strip (17) around the dispense plate (13) to the internal rewind hub (19) as shown in figure 4. Slide the strip under the clamps (18) that are located on the internal rewind hub. Hold the internal rewind hub and rotate the nut (20) counter-clockwise until it is tight. The media strip will now be fastened to the internal rewind hub. Rotate the internal rewind hub (19) counter-clockwise to tighten the media strip.
10. Slide the media guide ring (7) inward until it lightly touches the side of the media strip.
11. Lower the printhead by rotating the lever (8) counter-clockwise until it stops.
12. Loosen the screw (15) using the Allen key (16). Align the locking system (14) including the pinch roller (4) by sliding it sideways. The alignment is correct if the pinch roller is placed in the middle of the label strip.
13. Swing the locking system (14) to the rewind assist roller (5) and tighten the screw (15).

## Printer Configuration

Once the present sensor is connected to the printer, it will automatically be recognized by the printer. Once the present sensor is recognized, the printer can be operated in dispense mode.



### NOTICE !

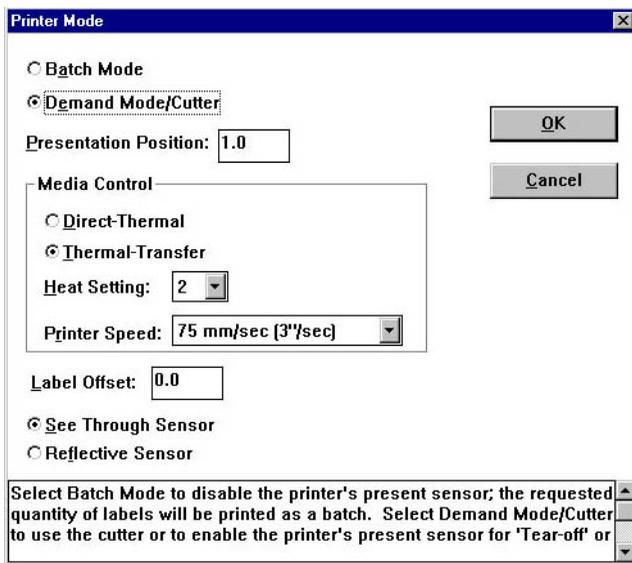
**For operation in dispense mode choose the setting „Demand Mode/Cutter“ in the Windows Printer Driver**

In order to optimize the operation the parameter „Presentation Position“ is available. The amount of label left adhering to the liner can be altered with this parameter. The setting „ 1mm “ is a good start value.

More information about the Printer Setup is available in the Online Help of the Gemini Control Panel or in the Printer's Operator Manual.

### Printer Configuration under Windows 95, Windows 98, Windows ME

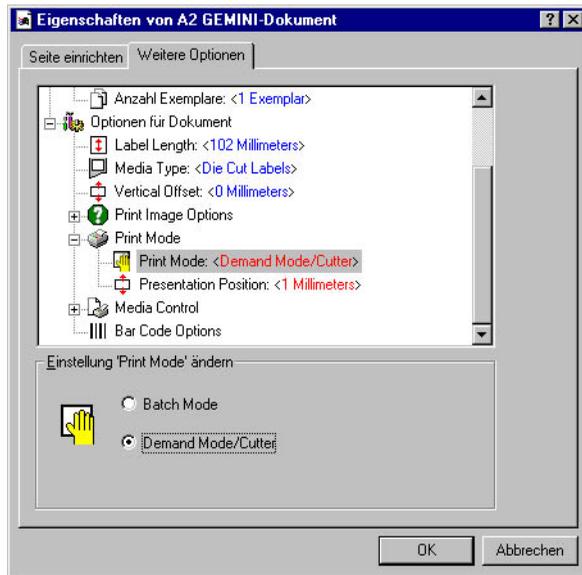
1. To start the Gemini Control Panel application, (double)-click on the Gemini program group, then (double)-click on the icon  .
2. Click on the „Setup“ button and in the next window on the „Options“ button.
3. In the „Printer Mode“ window choose the setting „Demand Mode/Cutter“.
4. Adjust the „Presentation Position“ as necessary.



**Fig. 5 Printer Setup - Printer Mode Windows under Windows 95, Windows 98 und Windows ME**

## Printer Configuration under Windows NT4.0, Windows 2000, Windows XP

1. To start the Gemini Control Panel application, (double)-click on the Gemini program group, then (double)-click on the icon  .
2. Click on the „Setup“ button and in the next window on the „Document Properties“ register.
3. In the „Print Mode“ section choose the setting „Demand Mode/Cutter“.
4. Adjust the „Presentation Position“ as necessary.



**Fig. 6 Printer Setup - Document Properties Window under Windows NT 4.0 / Windows 2000 / Windows XP**

## Operation

The printer is ready for operation if all connections have been made and all materials are loaded correctly.

After loading the media it is necessary to locate top of form by pressing the **FEED** key. Remove the dispensed labels manually from the dispense edge.

Start the print job in Demand Mode.

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