

Cutter 4 for Transfer Printer A2 Gemini

Art.-No. 5947040

Operator's Manual

Edition 6/03



Product Description

The **Cutter 4** is a peripheral device for the **A2 Gemini** transfer printer. With the cutter unit installed, labels or continuous material may be cut when desired.

The cutter is powered and controlled directly by the peripheral port of the printer. For cutter operation, the printer firmware will extend the label for cutting based on specified displacements, then automatically backfeed the label, so that after making a cut, the label roll will be repositioned and ready for printing the next label.

An optional cutter tray is available for the Cutter 4.

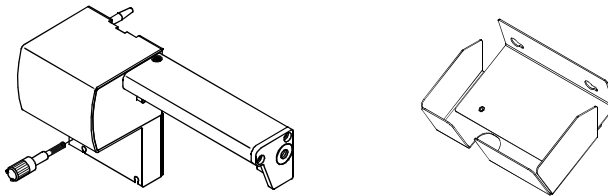


Fig. 1 Cutter, Cutter tray 4

Technical Specification

Cutter 4	
Part.-No. :	5947040
For printer type :	A2 Gemini
Media width (in / mm) :	up to 4.7 / 120
Minimum cut length (in / mm) :	.08/ 2
Material thickness (g/sqm) :	up to 200
Power supply :	Peripheral connector of the printer



NOTICE !

The minimum cut length is depending on the media, in particular its adhesive characteristics. Before use tests of the media are recommended. You should test, too, if the media is very hard or very thin.

Cutter tray 4	
Part.-No. :	5946995
For printer type :	A2 Gemini
For cutter:	4
Material width (in / mm) :	up to 4.7 / 120
Length of the cut pieces (in / mm) :	up to 3.9 / 100
Stack height (in / mm) :	up to 1.4 / 36

Safety Instructions



CAUTION !

- The printer must be switched off before attaching the cutter !
- The cutter may only be used when it is mounted on the printer !
- Do not try to cut any materials which exceed the maximum width or thickness specifications.
- Do NOT touch the area of the moving blades !



Vorsicht drehendes Messer

Caution rotating knife

Attention lame rotative

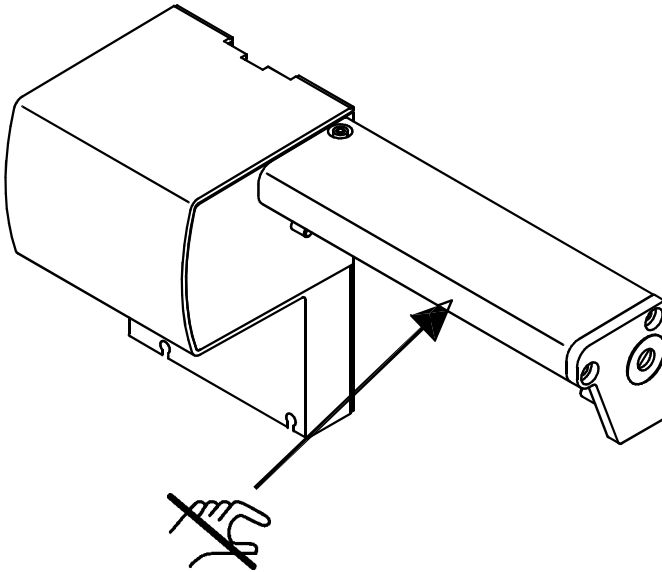


Fig. 2 Do NOT touch the blades

Mounting the Cutter and the Cutter Tray

In order to install the cutter and cutter tray, the front cover and tear-off plate are to be removed. The removal of the dispense plate or the rewind guide plate of the P-, respectively the R-printer-version can be done in comparable way.

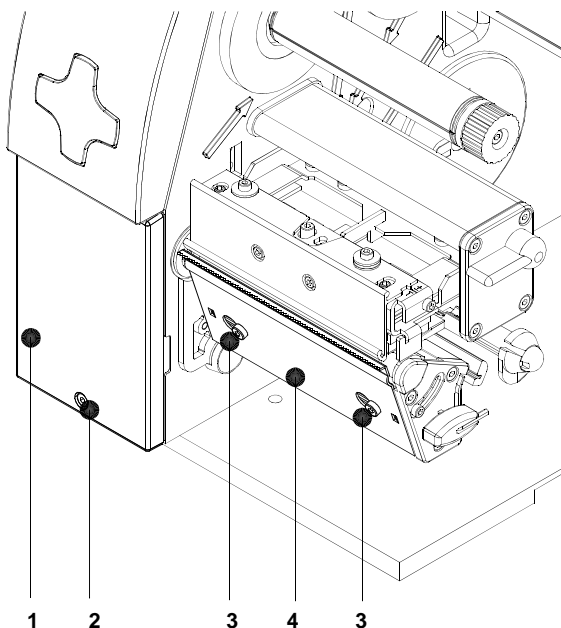


Fig. 3 Removal of the front cover and the tear-off plate



CAUTION!

The printer must be switched off before attaching the cutter !

1. Open the media cover.
2. Loosen the screw (2).
3. Remove the front cover (1).
4. Loosen the screws (3).
5. Slide the tear-off plate (4) to the right and remove it.

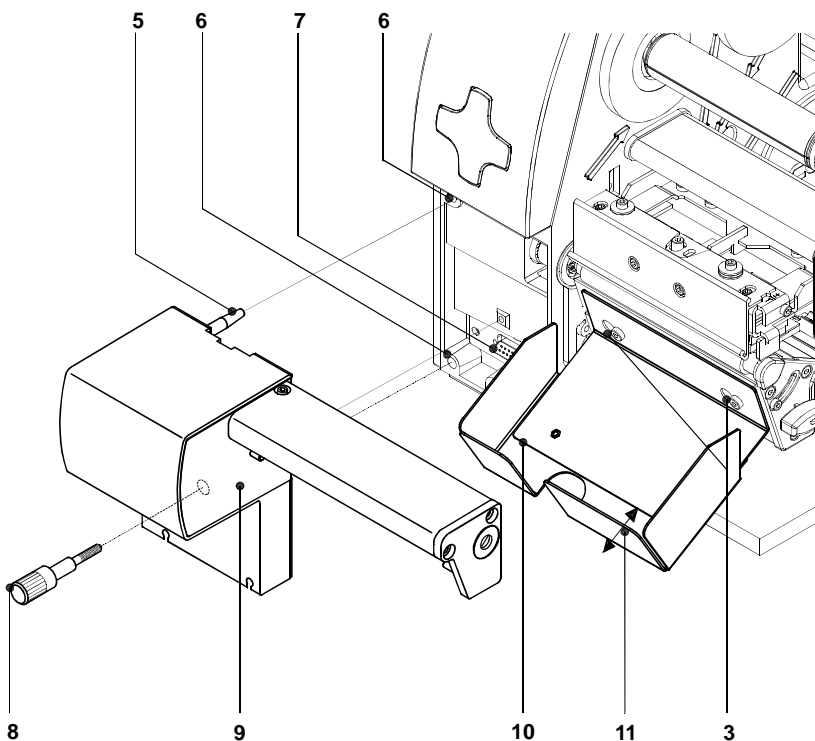


Fig. 4 Mounting the cutter and the cutter tray 4

If you want to operate the cutter without the cutter tray you can skip to step #9. For using the optional cutter tray, the tray must be mounted before the cutter:

6. Place the cutter tray (10) on the screws (3) and slide it to the left until it stops.
7. Tighten the screws (3).
8. The length of the cutter tray (10) may be modified by moving the slide (11).

Installing the cutter assembly:

9. Insert the pins (5) of the cutter (9) into the holes (6) of the printer. Press the cutter against the printer. That way the plug of the cutter will be connected to the peripheral port (7) of the printer.
10. Secure the cutter (9) with the screw (8).

Printer Configuration

Once the cutter is connected to the printer, it will automatically be recognized by the printer on turn on. Once the cutter is recognized, the printer can be operated in cut mode.




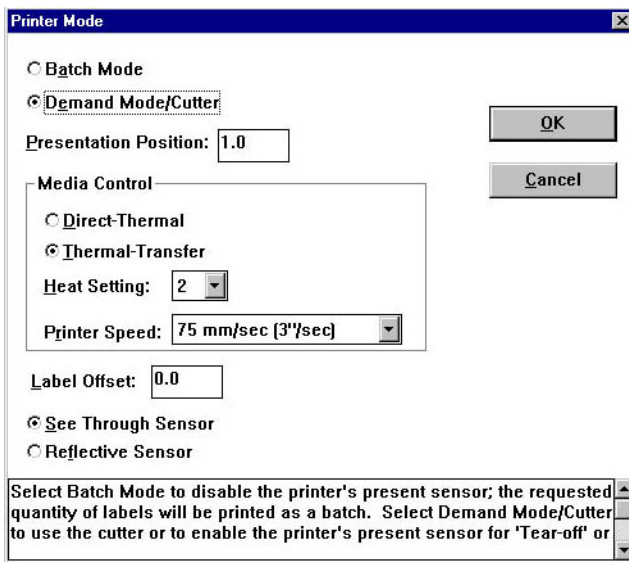
NOTICE !

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

In order to optimize the operation the parameter „Presentation Position“ is available. Using that parameter the cut position can be adjusted. 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. Ideally it is 4mm high and for continuous media 5mm.



**Fig 6 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. Ideally it is 4mm high and for continuous media 5mm.

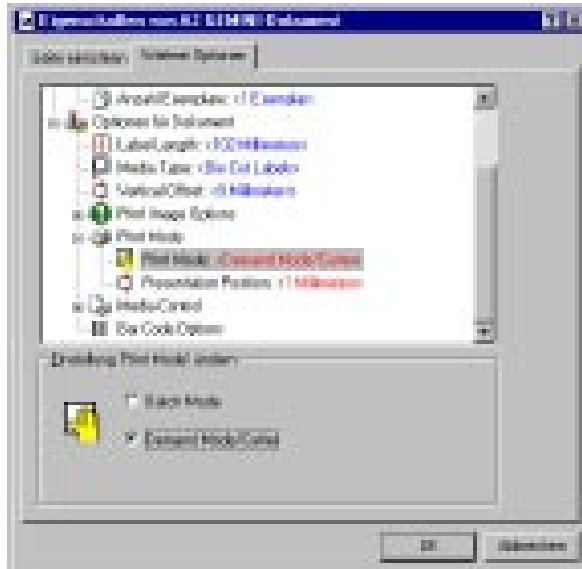


Fig. 7 **Printer Setup - Document Properties Window**
under Windows NT 4.0 / Windows 2000 / Windows XP

Media Loading

Load the transfer ribbon as described in the Printer's Operators Manual.

Load the label media for cut mode similar to the way it would be loaded for tear-off mode.

Place the media strip between the printhead and the drive roller, so that the beginning of the strip reaches into the cutter.

Operation

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

Start the print job in Demand Mode. The start of the first print job initializes that the printer locates top of form of the media automatically. The media will be moved forward and then cut.

After reloading the media during operation it is necessary to locate top of form by pressing the **FEED** key.

Cleaning



WARNING !

Before starting any maintenance, turn the printer OFF and disconnect the printer from the electrical outlet!

During the normal operation of the cutter, particles of dust and paper can accumulate inside the cutter. Remove these particles with a soft brush or a vacuum.

When cutting through the label material instead of the label gap remains of adhesive may accumulate on the blades.

If operating in backfeed mode, such remains of adhesive may be deposited on the drive roller as well.

Therefore both the drive roller and the cutter blades must be cleaned often.

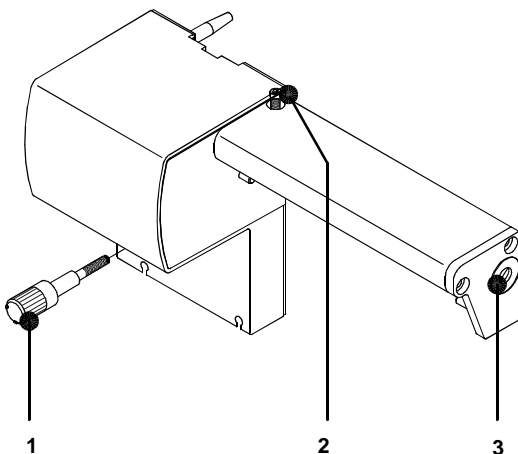


Fig. 9 Cleaning the cutter

1. Loosen the screw (1) and remove the cutter from the printer.
2. For cleaning the drive roller open the print head and remove the media from the printer.
3. Loosen the screw (2) about 5 mm from the profile of the cutter. Now you can turn the axle (3) of the circular blade with a screwdriver for slotted head screws (slot width 7mm).
4. Remove all deposits both at the drive roller and the cutter blades with isopropyl alcohol and a soft cloth.



CAUTION !

Risk of injury ! The cutter blades are sharp !

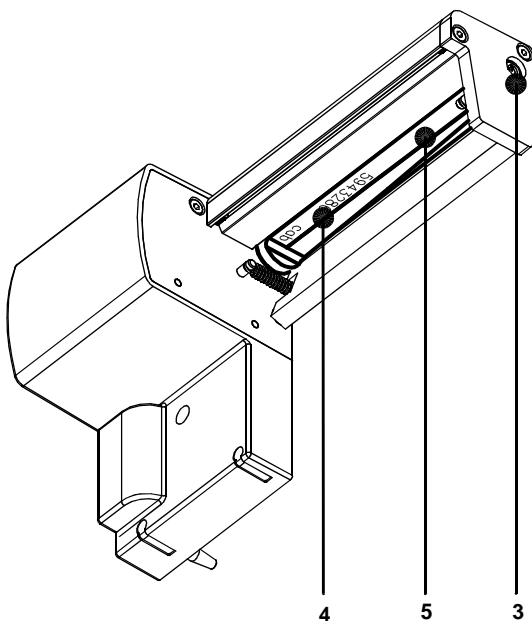


Fig. 10 Arresting the circular blade

5. Turn the axle (3) of the circular blade (5) with the screwdriver for slotted head screws so that the inscription (4) of the blade points downward.
6. Tighten the screw (2) for arresting the circular blade.



CAUTION !

If you tight screw (2) too strong, you could damage the screw thread.

7. Now the cutter can be remounted on the printer.



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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:

Cutter

Type:

Cutter 4

Applied EU Regulations and Norms:

- EC Machinery Regulations

- Machine Safety

98/37/EU

EN 292 Part 2 - 1995-06

- EC Low Voltage Regulations

- Data and Office Machine Safety

73/23/EEC

EN 60950:1992+A1:1993+A2:1993

- EC Electromagnetic Compatibility Regulations

- Threshold values for the Interference
of Data Machines

89/336/EEC

EN 55022:1998

This declaration is valid only when the cutter is used together with a printer of the A series.
Manufacturer: cab - Karlsruhe

Signed for, and on behalf of, the Manufacturer :

cab Produkttechnik Sömmerda
Gesellschaft für Computer-
und Automationsbausteine mbH
99610 Sömmerda

Sömmerda, 14.05.02

Erwin Fascher
Managing Director



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Technische Änderungen vorbehalten

In accordance with our policy of continual product improvement, we reserve the right to alter specifications without notice

Données techniques modifiables sans préavis