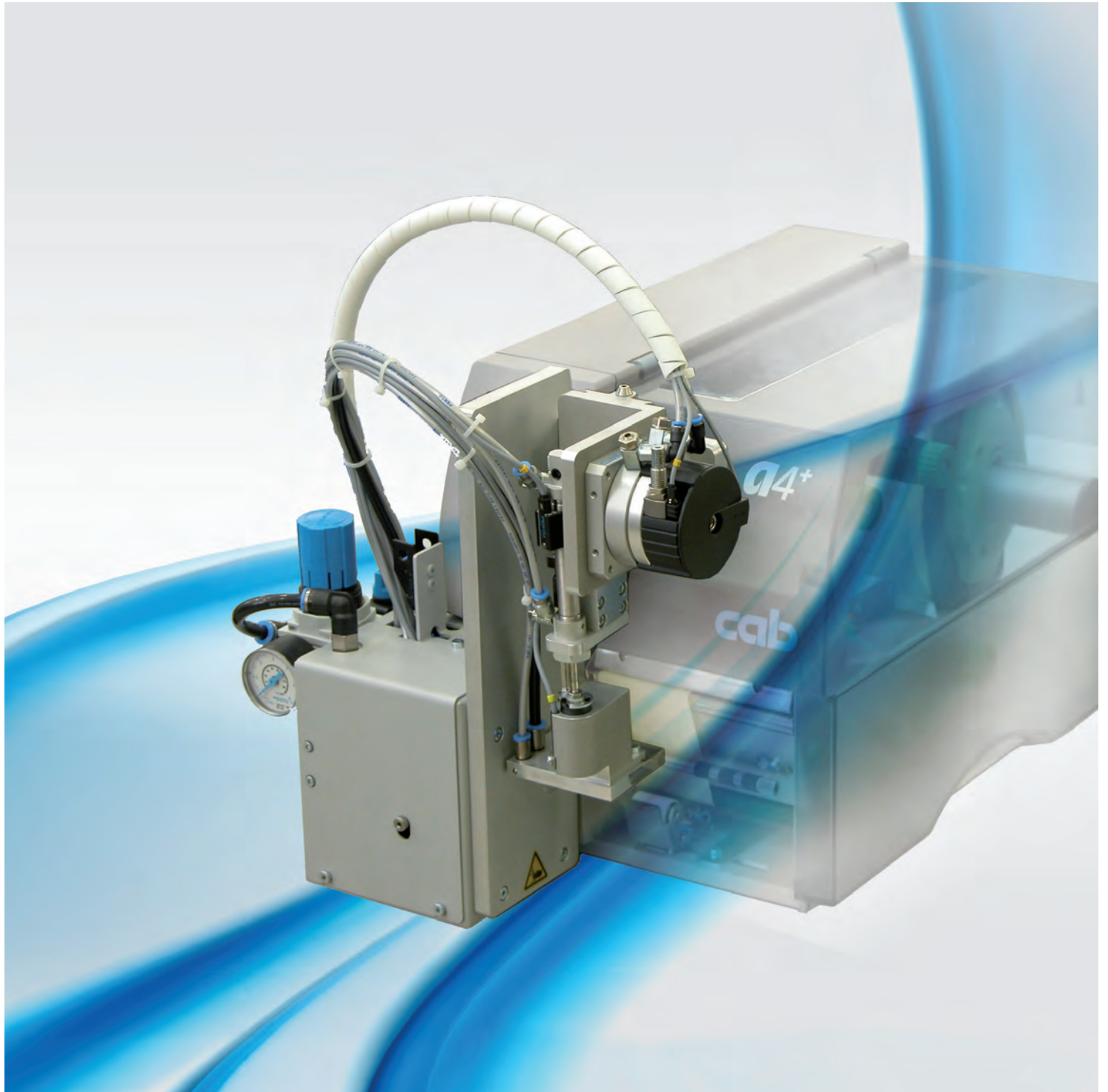


Operator's Manual



Applicator

A3200

Made in Germany

2 Operator's Manual for the following products

2

Family
A3200

Edition: 10/2017 - Part.-No. 9009565

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Topicality

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1.1 Instructions

Important information and instructions in this documentation are designated as follows:



Danger!

Draws your attention to an exceptionally grave, impending danger to your health or life.



Warning!

Indicates a hazardous situation that could lead to injuries or material damage.



Attention!

Draws attention to possible dangers, material damage or loss of quality.



Notice!

Gives you tips. They make a working sequence easier or draw attention to important working processes.



Environment!

Gives you tips on protecting the environment.



Handling instruction



Reference to section, position, illustration number or document.



Option (accessories, peripheral equipment, special fittings).

Time Information in the display.

1.2 Intended Use

- The device is manufactured in accordance with the current technological status and the recognized safety rules. However, danger to the life and limb of the user or third parties and/or damage to the device and other tangible assets can arise during use.
- The device may only be used for its intended purpose and if it is in perfect working order, and it must be used with regard to safety and dangers as stated in the operating manual.
- The device applicator mounted on a cab printer of the Hermes+ series is intended exclusively for applying suitable materials that have been approved by the manufacturer. Any other use or use going beyond this shall be regarded as improper use. The manufacturer/supplier shall not be liable for damage resulting from unauthorized use; the user shall bear the risk alone.
- Usage for the intended purpose also includes complying with the operating manual, including the manufacturer's maintenance recommendations and specifications.



Notice!

The complete documentation can currently be found in the Internet.

1.3 Safety Instruction



Attention!

Initiation, adjustments and changing of parts is only for qualified service personal only.

▷ Initiation/ Service Manual Applicators



Warning!

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

- Before mounting the delivered components disconnect the printer from the power supply and close the shutoff valve at the applicator.
- Only connect the device to other devices which have a protective low voltage.
- Switch off all affected devices (computer, printer, accessories) before connecting or disconnecting.
- In operation, moving parts are easily accessible.
This applies especially for the zone, where the pad is moved between the starting and the labelling position. During operation do not reach into that zone and keep long hair, loose clothes, and jewelry distant. Before any manipulations in those areas, close the shutoff valve.

- The device may only be used in a dry environment, do not expose it to moisture (sprays of water, mists, etc.)
- Do not use the device in an explosive atmosphere.
- Do not use the device close to high-voltage power lines.
- Perform only those actions described in this operating manual.
Work going beyond this may only be performed by trained personnel or service technicians.
- Unauthorized interference with electronic modules or their software can cause malfunctions.
- Other unauthorized work on or modifications to the device can also endanger operational safety.
- Always have service work done in a qualified workshop, where the personnel have the technical knowledge and tools required to do the necessary work.
- There are various warning stickers on the device. They draw your attention to dangers. Warning stickers must therefore not be removed, as then you and other people cannot be aware of dangers and may be injured.

1.4 Safety Marking

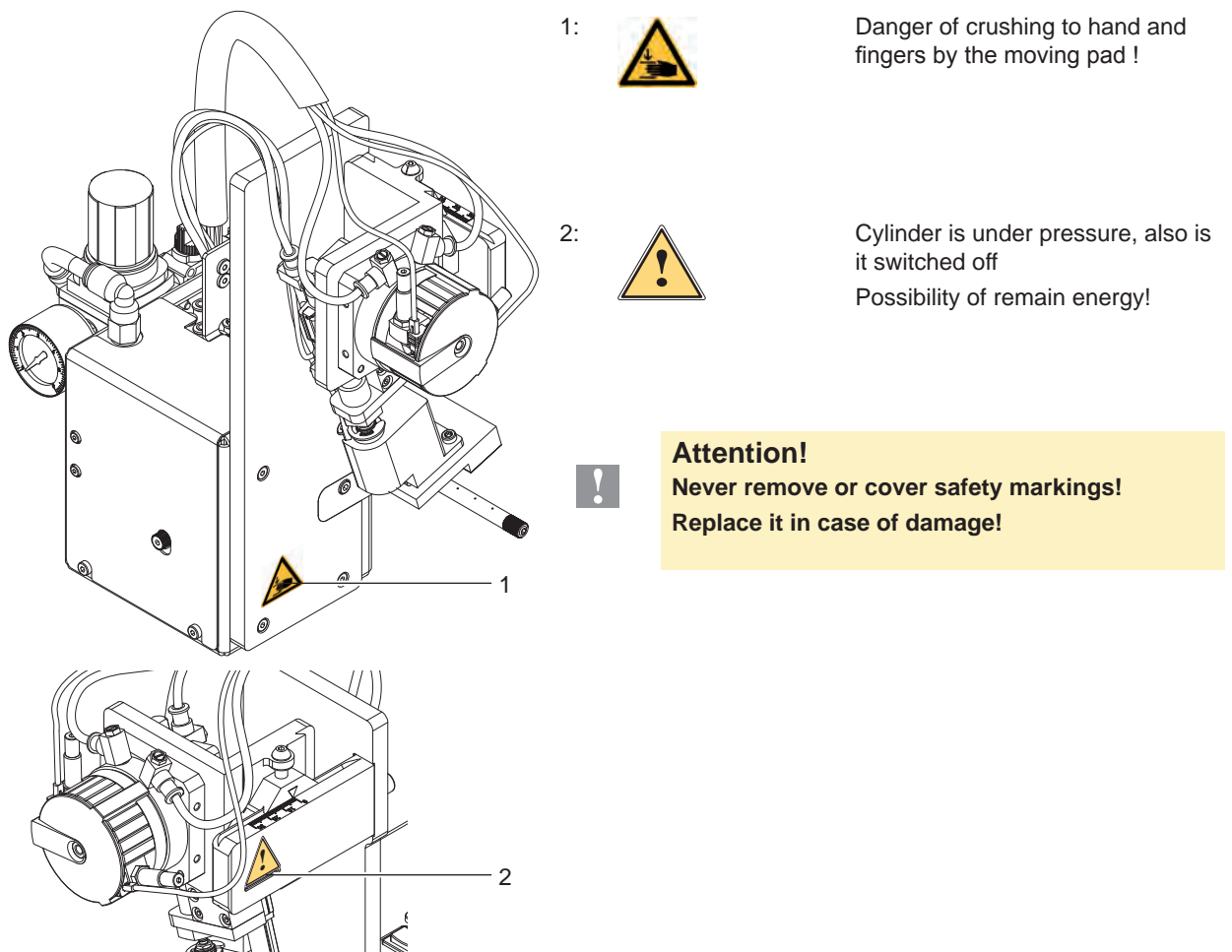


Fig. 1 Safety marking

1.5 Environment



Obsolete devices contain valuable recyclable materials that should be sent for recycling.

- ▶ Send to suitable collection points, separately from residual waste.
The modular construction of the print module enables it to be easily disassembled into its component parts.
- ▶ Send the parts for recycling.

2.1 Important Features

- The supporting air and the vacuum as well as the speed of the cylinder are adjustable. That way the applicator can be adapted to different label materials and sizes.
- To avoid contamination within the vacuum channels they are cleaned by air pressure impulse at the end of each application..
- For operation in a system the 15 pin or 25 pin I/O interface of the applicator can be used.

2.2 Technical Data

	Stamp on		Blow on	
	A2+	A4+	A2+	A4+
Using	A2+	A4+	A2+	A4+
Label width in mm	4-63	20-116	10-63	20-116
Label height in mm	5-80		10-80	
Possible application angle of the pad (to the vertical line)	45°-95°			
Compressed air pressure	4,5 bar			
Product surface	flat			
Product in the labelling procedure	fixed			
Cylinder strok of the fift cylinder in mm	30			
Retraction depth of the stamp till in mm	5			
Cycle time about pulse/min.	25			
Distance product to dispense edge of the printer in mm	240-270			
Mounting	stand			

Table 1 Technical Data

2.3 Overview

Front view

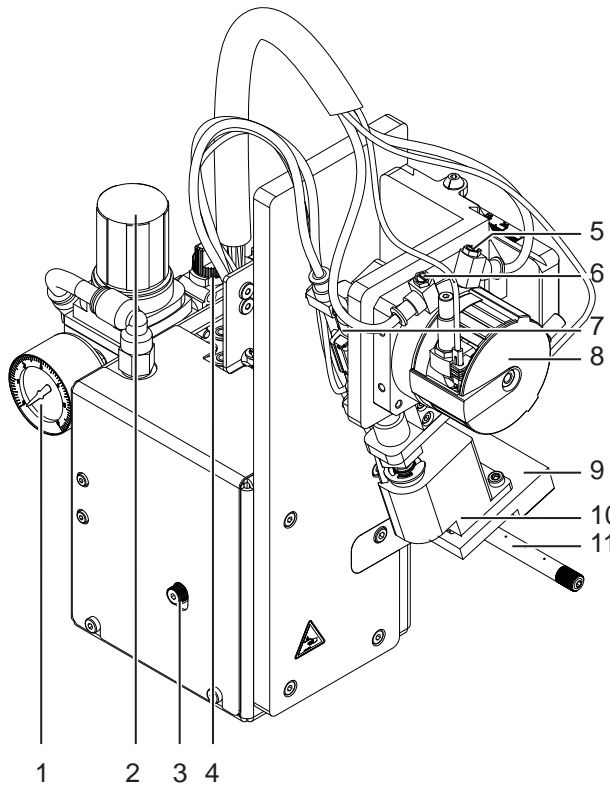


Fig. 2 Device overview - front view

- 1 Manometer on the pressure air support unit
- 2 Setting valve on pressure air support unit
- 3 Knurled screw for attaching the applicator to the printer
- 4 Shutoff valve
- 5 Throttle valve swing cylinder - swing in
- 6 Throttle valve swing cylinder - swing out
- 7 Lift cylinder
- 8 Swing cylinder
- 9 Pad (customized)
- 10 Pad holder
- 11 Blow tube for supporting air

Rear view

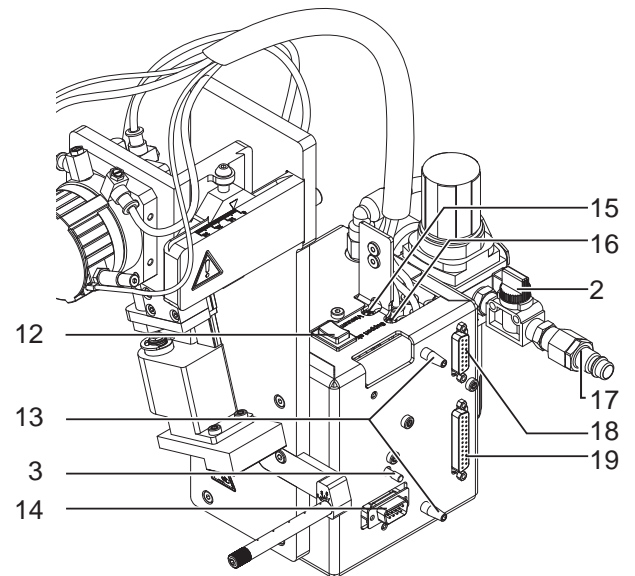
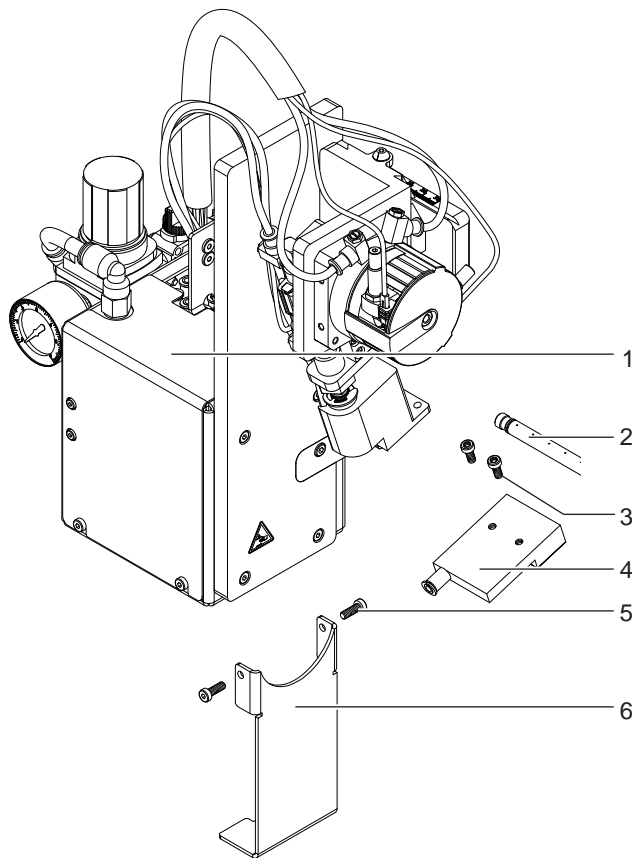


Fig. 3 Device overview - rear view

- 12 Pre dispense key
- 13 Pins for a locking position to the printer
- 14 SUB-D 9 interface to the printer
- 15 Vacuum throttle valve
- 16 Support air throttle valve
- 17 Compressed air connector
- 18 PLC interface 15 pin
- 19 PLC interface 25 pin

2.4 Contents of Delivery



- 1 Applicator
- 2 Blow tube (as ordered)
- 3 Screws (part of the pad)
- 4 Pad (as ordered)
- 5 Screws to mount the transport locking system
- 6 Transport locking system
- 7 Documentation

Fig. 4 Contents of delivery

**Notice!**

Please keep the original packaging in case the applicator must be returned.

**Attention!**

The device and printing materials will be damaged by moisture and wetness.

- ▶ Set up label printer with applicator only in dry locations protected from splash water.

3.1 Transport lock A3200

The transport lock of the applicator A3200 adjust the movable parts of the applicator on a transport to avoid damages and accidents.



Warning!

Attend that the printer power supply is disconnected and the compressed air supply is closed before starts the mounting works.



Warning!

Risk of injury and of damage the applicator in case of incorrect using and operation.
The applicator is to use only on e printer of the cab A+ series.

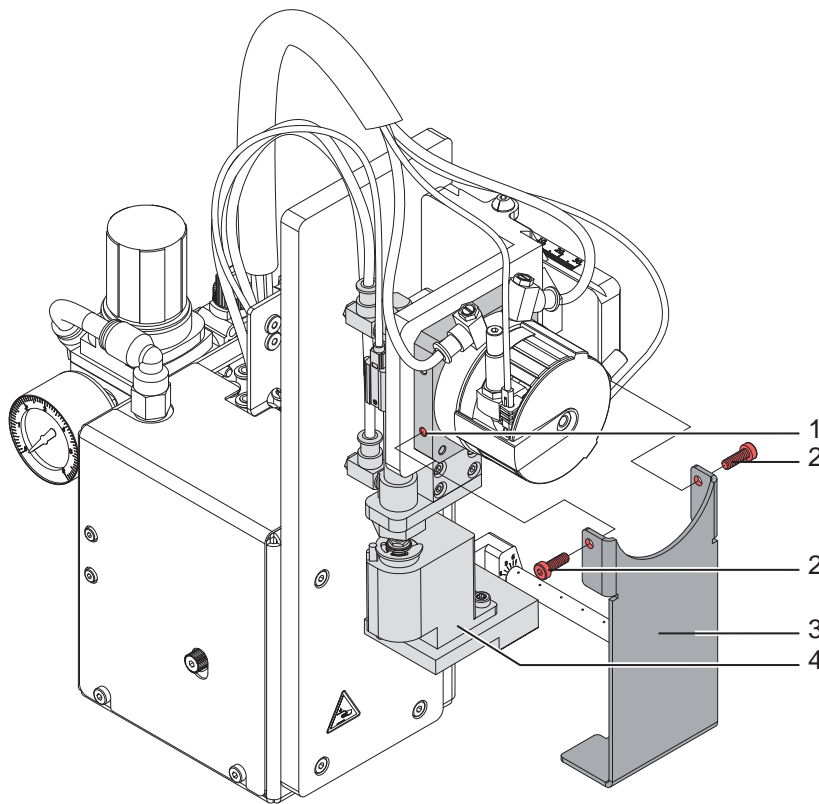


Fig. 5 Transport lock

Remove the transport lock

1. Loosen screws (2) of the transport lock (3) .
2. Remove the transport lock (3).



Attention!

Mount the transport every time in case of a transport.

Keep the transport lock and the screws.

Mount the transport lock

1. Turn the swing arm (4) so that the pad holder is right in the cut-out of the transport lock (3) .
That is perhaps in a vertical position.
2. Put on the transport lock (3) so that the holes in the transport lock (3) are over the holes (1) on both sides of the swing cylinder socket.
3. Tighten screws (2).

3.2 Standard Operation

- ▶ Check all external connections.
- ▶ Load the material. Ensure that the locking system is locked ▷ "Operator's Manual" of the printer.
- ▶ Open the shutoff valve.



Attention!

- ▶ Ensure that the pad is not covered by a label when switching on the printer-applicator system. Otherwise the vacuum sensor may be calibrated faultily.

- ▶ Switch on the printer.



Notice!

In case the pad is outside the start position in the moment of switching on it will interrupted the procedure and give notice an error message on the display of the printer.

If you push the button pause on the printer is receipt the error and the applicator will move into the start position.

The Applicator is ready for work.

- ▶ Press the **feed** key at the printer.
A synchronization feed is released. The processed labels have to be removed manually. After a few seconds the printer carries out a short backfeed to position the front edge of the next label at the printing line.



Notice!

This synchronizing also has to be carried out when the print job has been interrupted with the cancel key. Synchronizing is not necessary when the print head was not lifted between print jobs. This also applies if the printer was powered off between print jobs.

- ▶ Start a print job
- ▶ Start the labelling process via PLC interface.

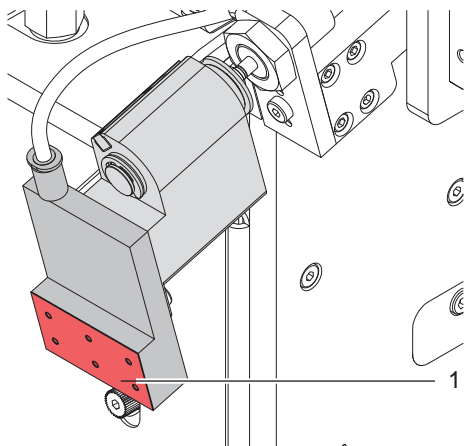
Error messages during labelling process are shown in the display of the printer ▷ 4 Error Messages.

3.3 Cleaning



Attention!

Never use solvent and abrasive.



- ▶ Clean the outside surfaces with multi purpose cleaner.
- ▶ In regularly function it's possible that accrue dust particles and label splits. Remove that by a soft brush or/and a vacuum cleaner.
- ▶ Especially at slide foil (1) it's possible that fouling deposit. To receive an ideal takeover and handling of the label it's necessary to clean the surface of slide foil at regular intervals.

Fig. 6 Cleaning pad with slide foil

4.1 Error Messages of the Printer

For detailed information about printer errors (e.g. 'Paper out', 'Ribbon out', etc.) ▷ Operator's manual of the printer
Error treatment :

- ▶ Clear the error results
- ▶ Press the **feed** key to synchronize the label feed, remove the peeled labels manually
- ▶ Press the **pause** key to quit the error state.

After error correction, the print of the label causing the error will be repeated.

4.2 Error Messages of the Applicator

The following table contains an overview of error messages and their possible causes. It also suggests methods to resolve the problem :

Error Message	Possible Cause	Solution
Air pressure ins.	Compressed air is switched off	Check the shutoff valve
Host stop/ error	Labelling process has been Interrupted by an stop signal via PLC interface	Label the product manually if necessary
Label not depos.	Label has not been placed onto the product; after the pad has moved back the label still sticks on the pad	Label the product manually if possible
Lower position	Pad has not reached the labelling position within 2s after the movement of the pad was started	Check the pneumatic adjustments (esp. the lower throttle valve of the cylinder); Check the applicator for heaviness of its mechanics; Check the labelling position sensor (service); Label the product manually
Refl. sensor blk.	There has been no change of the switch state at the upper sensor at the cylinder between the start of the labelling process and the signal from the labelling position sensor	Check the sensor (service)
Upper position	Pad has not reached the starting position within 2s after the pad has left the labelling position; or pad has left the starting position unauthorized	Check the pneumatic adjustments (esp. the upper throttle valve of the cylinder); Label the product manually
Vac. plate empty	Label has not been picked up properly by the pad; or label fell off the pad before it could be placed onto the product	If possible, place the 'lost' label onto the product manually; Otherwise stop print job and start again with adapted parameters (e.g. count) If the error recurs check the pad alignment, the adjustment of vacuum and supporting air and the setting of the peel position

Table 2 Error messages of the applicator

Error treatment :

- ▶ Clear the error results
- ▶ Press the **pause** key to quit the error state.



Attention!

The pad will immediately be moved in the starting position !

Danger of crushing to hand and fingers by the moving pad !

- ▶ **Do not reach into the zone of the moving pad and keep long hair, loose clothes, and jewelry distant.**

After error correction, the print of the label causing the error cannot be repeated without re-start of the print job.

- ▶ In the application mode "Apply/Print" send the signal "Print first label" or press the pre-dispense key before starting the cyclic operation.

5.1 Declaration of Incorporation




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Wilhelm-Schickard-Str. 14
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Deutschland

Declaration of Incorporation

We declare herewith that the following „partly completed machinery“ as a result of design, construction and the version put in circulation complies with the essential requirements of the **Directive 2006/42/EC on machinery** :

Annex I, Article 1.1.2, 1.1.3, 1.1.5, 1.1.6, 1.2.1, 1.3.2, 1.5.2, 1.5.8, 1.6.3, 1.7

In the event of any alteration which has not been approved by us being made to any device as designated below, this statement shall thereby be made invalid.

Device:	Applicator
Type:	A3200
Applied EU Regulations and Norms:	
Directive 2006/42/EC on machinery	<ul style="list-style-type: none"> • EN ISO 12100:2010 • EN ISO 13849-1:2015 • EN 60950-1:2006 +A11:2009+A12:2011+A1:2010+A2:2013
Person authorised to compile the technical file :	Erwin Fascher Am Unterwege 18/20 99610 Sömmerda
Signed for, and on behalf of the Manufacturer :	Sömmerda, 04.10.2017
cab Produkttechnik Sömmerda Gesellschaft für Computer- und Automationsbausteine mbH 99610 Sömmerda	 Erwin Fascher Managing Director

The product must not be put into service until the final machinery into which it is to be incorporated has been declared in conformity with the provisions of the Directive on machinery

The documents according annex VII part B from the incomplete machinery are created and will commit to state agencies on request in electronic kinds.


5.2 EU Declaration of Conformity



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GmbH & Co KG
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Deutschland

EU Declaration of Conformity

We declare herewith that as a result of the manner in which the device designated below was designed, the type of construction and the devices 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 device as designated below, this statement shall thereby be made invalid.

Device:	Applicator
Type:	A3200
Applied EU Regulations and Norms:	
Directive 2014/30/EU relating to electromagnetic compatibility	<ul style="list-style-type: none"> • EN 55032:2012 • EN 55024:2010 • EN 61000-6-2:2005
Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment	<ul style="list-style-type: none"> • EN 50581:2012
Signed for, and on behalf of the Manufacturer :	Sömmerda, 04.10.2017
cab Produkttechnik Sömmerda Gesellschaft für Computer- und Automationsbausteine mbH 99610 Sömmerda	 Erwin Fascher Managing Director