Operator's Manual
for the following products

<table>
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<th>Family</th>
<th>Type</th>
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<tbody>
<tr>
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<td>EOS1/200</td>
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<tr>
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<td>EOS1/300</td>
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<td></td>
<td>EOS4/200</td>
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1 Introduction

1.1 Product Description
The device is an industrial thermal transfer printer for printing labels and continuous media.

1.2 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.
1.3 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 printer is intended exclusively for printing suitable materials. 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 is included in the scope of delivery on DVD, and can also currently be found in the Internet.

1.4 Safety Instructions

- The device is configured for voltages of 100 to 240 V AC. It only has to be plugged into a grounded socket.
- Only connect the device to other devices which have a protective low voltage.
- 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.
- If the device is operated with the cover open, ensure that people’s clothing, hair, jewelry etc. do not come into contact with the exposed rotating parts.
- The device or parts of it can become hot while printing. Do not touch during operation, and allow to cool down before changing material and before disassembly.
- Risk of crushing when closing the cover. Touch the cover at the outside only. Do not reach into the swivel range of the cover.
- 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.
1 Introduction

- 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.
- The maximum sound pressure level is less than 70 dB(A).

Danger!
Danger to life and limb from power supply.
- Do not open the device casing.

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.

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 printer enables it to be easily disassembled into its component parts.
- Send the parts for recycling.

The electronic circuit board of the device is equipped with a lithium battery.
- Take old batteries to collection boxes in shops or public waste disposal centers.
2.1 Device Overview

1. Cover
2. Margin stops
3. Roll retainer
4. Ribbon supply hub
5. Ribbon take-up hub
6. Roller
7. Print mechanics
8. Touchscreen display

Fig. 1 EOS1 with Tear-off Plate

9. Cutter

Fig. 2 EOS1 with Cutter
2 Installation

Fig. 3  EOS4 with Tear-off Plate

1  Cover
2  Margin stops
3  Roll retainer
4  Ribbon supply hub
5  Ribbon take-up hub
6  Roller
7  Print mechanics
8  Touchscreen display

Fig. 4  EOS4 with Cutter

9  Cutter
2.2 Unpacking and Setting-up the Printer

- Lift the label printer out of the box and set it up on a level surface.
- Check label printer for damage which may have occurred during transport.
- Check delivery for completeness.

Contents of Delivery:
- Label Printer
- Power Cable Type E+F
- Cardboard Core
- Operator's Manual
- DVD with label software, Windows driver and documentation
- USB Cable
- depending on the type of printer, tear-off plate (mounted) or cutter
- depending on the type of printer, mount cutter ➤ 2.3 on page 11.

**Notice!**
Please keep the original packaging in case the printer must be returned.

**Notice!**
When transporting the printer remove the transfer ribbon and media.

**Attention!**
The device and printing materials will be damaged by moisture and wetness.
- Set up label printers only in dry locations protected from splash water.
2.3 Mounting the Cutter

The cutter contained in the contents of delivery must be mounted to the printer during the initial start-up.

Fig. 6 Mount Cutter

1. Put snap arm (5) of the cutter with the groove (4) first into the guide on the retainer (2).
2. Push cutter (1) down into the holders (3).
3. Fold up cutter (1) so that it snaps it at both sides of the retainer (2).
2.4 Connecting the Device

Fig. 7  Connections

1  Power switch
2  USB master ports for keyboard, scanner, memory stick or service key, \( I_{\text{max}} = 500 \text{mA} \)
3  USB full-speed slave port
4  Ethernet 10/100 Base-T
5  Power connection jack

2.4.1 Connecting to the Power Supply

The printer is equipped with a wide area power unit for a supply voltage of 100 V to 240 V.

1. Check that the device is switched off.
2. Plug the power cable into the power connection jack (5).
3. Plug the power cable into a grounded socket.

2.4.2 Connecting to a Computer or Computer Network

⚠️ Attention!

Inadequate or no grounding can cause malfunctions during operations.
Ensure that all computers and cables connected to the label printer are grounded.

- Connect the label printer to a computer or network by a suitable cable.
For details of the configuration of the individual interfaces ➤ Configuration Manual.
When all connections have been made:

- Switch the printer on at the power switch (1).
  The printer performs a system test, and then shows the system status **Ready** in the display.

If an error occurs during the system test, the symbol **Critical fault** and type of error are displayed.
3.1 Structure of the Touchscreen Display

Notice!
It is advantageous, whenever possible, to make adaptations to various print jobs in the software.

The touchscreen display (1) indicates the current status of the printer and the print job, indicates faults and shows the printer settings in the menu.

By selecting the buttons on the touchscreen display (1) settings can be made.

Two USB master ports (2/ $I_{\text{max}} = 100 \text{ mA}$) are positioned under the touchscreen display (1).

3.2 Operating the Touchscreen Display

The touchscreen display is operated directly by touch:

- To open a menu or select a menu item lightly touch the corresponding symbol.
- To scroll in lists slide finger up or down on the display.
### 3.3 Symbols on the Start Display

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Status</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ready</td>
<td>To offline menu</td>
</tr>
<tr>
<td><img src="image" alt="Symbol" /></td>
<td>Ready</td>
<td>Feeds a blank label</td>
</tr>
<tr>
<td><img src="image" alt="Symbol" /></td>
<td>Ready</td>
<td>After the end of a print job, print an additional label with the information of the previous print job.</td>
</tr>
<tr>
<td><img src="image" alt="Symbol" /></td>
<td>Printing label</td>
<td>Interrupt print job, printer goes into &quot;Pause&quot; state</td>
</tr>
<tr>
<td><img src="image" alt="Symbol" /></td>
<td>Pause</td>
<td>Continue the print job, printer goes into &quot;Printing label&quot; state</td>
</tr>
<tr>
<td><img src="image" alt="Symbol" /></td>
<td>Ready</td>
<td>Delete internal memory, the last label can no longer be reprinted.</td>
</tr>
<tr>
<td><img src="image" alt="Symbol" /></td>
<td>Printing label</td>
<td>Press shortly → cancels the current print job</td>
</tr>
<tr>
<td><img src="image" alt="Symbol" /></td>
<td>Pause</td>
<td>Press long → cancels the current print job and deletes all print jobs</td>
</tr>
</tbody>
</table>

Table 1  Symbols on the Start Display
### 3.4 Printer States

<table>
<thead>
<tr>
<th>State</th>
<th>Display</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ready</strong></td>
<td></td>
<td>The printer is in the ready state and can receive data.</td>
</tr>
<tr>
<td><strong>Printing Label</strong></td>
<td>Printing Label</td>
<td>The printer is currently processing an active print job.</td>
</tr>
<tr>
<td></td>
<td>and the number of the</td>
<td>Data can be transmitted for a new print job.</td>
</tr>
<tr>
<td></td>
<td>printed label in the print job.</td>
<td>The new print job will start when the previous one has finished.</td>
</tr>
<tr>
<td><strong>Pause</strong></td>
<td>Pause and the symbol ☕️</td>
<td>The printing process has been interrupted by the operator.</td>
</tr>
<tr>
<td><strong>Correctable error</strong></td>
<td>⚠️ and the type of error and the number of labels to be printed, display turns red.</td>
<td>An error has occurred that can be rectified by the operator without interrupting the print job. The print job can be continued after the error has been rectified.</td>
</tr>
<tr>
<td><strong>Irrecoverable error</strong></td>
<td>⚠️ and the type of error and the number of labels to be printed, display turns red.</td>
<td>An error has occurred that cannot be rectified without interrupting the print job.</td>
</tr>
<tr>
<td><strong>Critical error</strong></td>
<td>⚠️ Critical fault and the type of error, display turns red.</td>
<td>An error occurs during the system test.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>▶️ Switch the printer off and then on again at the power switch.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Call Service if the fault occurs persistently.</td>
</tr>
<tr>
<td><strong>Power Save Mode</strong></td>
<td>![Power Save]</td>
<td>If the printer is not used for a lengthy period, it automatically switches to power save mode.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>▶️ To exit power save mode: Touch touchscreen display.</td>
</tr>
</tbody>
</table>

Table 2 Printer States
4 Loading Material

4.1 Loading Media from Roll

1. Turn ring (2) counterclockwise, so that the arrows point to the symbol ️, and thus release the margin stop (1) from the roll retainer (4).

2. Load label roll (3) on the roll retainer (4) in such a way that the printing side of the labels is visible from above.

3. Re-mount the margin stop (1) and push against the label roll as far as possible.

4. Turn ring (2) clockwise, so that the arrow points to the symbol ️, and thus fix the margin stop (1) on the roll retainer (4).

5. Turn lever (8) counterclockwise to open printhead.

6. If the printer is equipped with a cutter, fold it down.

7. Position guides (5) by turning the knob (7) so that they are several millimeters wider than the material.

8. Position material below the roller (6) and guide it through the print unit.

**Attention!**

- Guide material through the print unit below the label sensor (9).

9. Move guides (5) closely to the edges of the material without clamping the material.

10. Adjust label sensor (> 4.2 on page 18).

11. If the printer is equipped with a cutter, guide material through the cutter and fold cutter back to the printing unit.

12. Press printhead retainer down and turn lever (8) clockwise to lock the printhead.
4.2 Adjusting the Label Sensor

Notice!
When the printer is delivered the label sensor is positioned in the middle of the paper feed. Thus, the label sensor must only be adjusted if:

- material with reflex or cut-out marks, which are not in the middle,
- multi-strip material with an even number of strips,
- material with irregularly shaped labels are used.

![Diagram of label sensor adjustment](image)

Fig. 11  Adjusting the Label Sensor

The sensor position (3) is marked with a yellow LED in the sensor retainer.

1. Press on the knob for adjusting the label sensor (1) using a pointed object, so that the knob pops out of the bore of the housing.

2. Position the sensor (3) by turning the knob (1) so that the sensor can detect the front edge of the label in the direction of paper flow or the reflex or cut-out mark.

3. Push knob (1) back into the bore of the housing using a pointed object until it snaps into place.
4 Loading Material

4.3 Loading Transfer Ribbon

Notice!
With direct thermal printing, do not load a transfer ribbon; if one has already been loaded, remove it.

1. Clean the printhead before loading the transfer ribbon (> 7.2 on page 23).
2. Turn lever (6) counterclockwise to open the printhead.
3. Set guide (1) on both hubs to the correct transfer ribbon width (Fig. 13):
   • Hold hub and unlock guide (1) by turning it in direction A.
   • Slide guide in direction B and adjust guide to ribbon width using the scale.
   • Hold hub and lock guide by turning it in direction C.
4. Load transfer ribbon (4) on the hub (5) until it reaches the guide in a way that the color coating of the ribbon faces the opposite side of the printhead after being loaded.

Notice!
To wind the ribbon a ribbon core (3) is needed that must be at least equal in width to the supply ribbon.

► When changing the transfer ribbon use the empty supply ribbon core for winding the next ribbon.

5. Adjust position of the guide on the take-up hub to the width of the ribbon core (3) and push ribbon core on the take-up hub.
6. Guide transfer ribbon though the printing unit as shown in Fig. 12.
Attention!

Guide transfer ribbon over the label sensor (7).

7. Secure starting end of the transfer ribbon to the ribbon core (3) using adhesive tape. Ensure counterclockwise rotation direction of the transfer ribbon take-up hub.

8. Turn transfer ribbon take-up hub (2) counterclockwise to smooth out the feed path of the transfer ribbon.

9. Press printhead down and turn lever (6) clockwise to lock printhead.

4.4 Setting the Feed Path of the Transfer Ribbon

Transfer ribbon wrinkling can lead to print image errors. Transfer ribbon deflection can be adjusted so as to prevent wrinkles.

Notice!
The adjustment is best carried out during printing.

Turn screw (1) with torx wrench TX10 and observe the behavior of the ribbon.

- By turning it clockwise the outer edge of the transfer ribbon is tightened.
- By turning it counterclockwise the inner edge of the transfer ribbon is tightened.
Mount External Supply Hub

1. Position External supply hub behind the printer.
2. Lift printer slightly and position ground plate (7) on both hooks (6) of the external supply hub.

Load Material

1. Turn ring (2), so that the arrows point to the symbol \( \odot \), and thus release the margin stop (1) from the roll retainer (3).
2. Load label roll (4) on the roll retainer (3) in such a way that the printing side of the labels is visible from above.
3. Re-mount the margin stop (1) and push against the label roll as far as possible.
4. Turn ring (2) clockwise, so that the arrow points to the symbol \( \odot \), and thus fix the margin stop (1) on the roll retainer (3).
5. Adjust guide (5) of the printer to the material width.
6. Guide material over roll retainer of the printer and load into printing unit (> 4.1 on page 17).
Attention!
Printhead damage caused by improper handling!
► Do not touch the underside of the printhead with the fingers or sharp objects.
► Ensure that the labels are clean.

The printer is ready for operation when all connections have been made and labels and the transfer ribbon have been loaded.

6.1 Printing in Tear-off Mode
After printing the label is torn-off manually. For this the printer is equipped with a tear-off plate.

6.2 Printing in Cutting Mode
The printer version with cutter is used to cut off labels and endless material automatically after printing.

Notice!
The cutting mode must be activated in the software.
With direct programming it is controlled with the "C command"
► Programming Instructions.

Attention!
Functional impairment due to dirt!
► When using label material, do not cut through the labels.

6.3 Synchronizing the Paper Feed
After the label stock has been inserted, for cutting mode a synchronization of the paper feed is required. That way the first label, which is detected by the label sensor, will be transported to the print position and all labels in front will be fed out of the printer. So the synchronization avoids, that the first cut label would be too long. That can cause useless first label.

► Press $\downarrow$ to start the synchronization.
► Remove the blank labels cut during the synchronization.

Notice!
Synchronization is not necessary if the printhead was not opened between different print jobs, even if the printer was switched off.
7 Maintenance

7.1 Cleaning Instructions

Danger!
Risk of death from electric shock!
► Disconnect the printer from the power supply before performing any maintenance work.

It is important to clean the thermal printhead regularly. This guarantees a consistently good printed image and reduces wear of the printhead. Otherwise, the maintenance is limited to monthly cleaning of the device.

Attention!
The printer can be damaged by aggressive cleansers.
► Do not use abrasive cleaners or solvents for cleaning the external surfaces or modules.

► Remove dust and paper fluff from the print area with a soft brush or vacuum cleaner.
► The cover of the printer can be cleaned with a standard cleanser.

7.2 Cleaning the Printhead

Cleaning intervals:
direct thermal printing - every media roll change
thermal transfer printing - every ribbon roll change

Substances may accumulate on the printhead during printing and adversely affect printing.

Attention!
Printhead can be damaged!
► Do not use sharp or hard objects to clean the printhead.
► Do not touch protective glass layer of the printhead.

Attention!
Risk of injury from the hot printhead line.
► Ensure that the printhead has cooled down before starting cleaning.
1. Lift the printhead.
2. Remove labels and transfer ribbon from the printer.
3. Clean printhead line (1) with rubbing alcohol and a soft cloth.
4. Allow printhead to dry for 2–3 minutes before commencing printing.

### 7.3 Changing the Printhead

1. Fold up printhead retainer (5).
2. Remove material and ribbon from the printer.
3. Push printhead (1) up against the printhead retainer, slide the holding lug (2) over the web (6) and pull it out of the slit in the printhead retainer.
4. Remove printhead from the guide (6) in the printhead retainer.
5. Detach the cables (3 and 4) from the printhead.
6. After changing the printhead, attach the cables (3 and 4) to the printhead.
7. Insert the holding lug (7) of the printhead into the guide (6) in the retainer.
8. Push printhead (1) up against the printhead retainer. While doing so, guide the holding lug (2) of the printhead upwards through the slit in the retainer.
9. Slide the printhead into the printhead retainer until the holding lug (2) latches over the web (6).
7.4 Cleaning or Replacing the Print Roller

Accumulations of dirt on the print roller may impair the media transport and the print quality.

**Attention!**
Damage of the print roller.
- Do not use sharp objects (knives, screwdrivers, etc.) to clean the print roller.

---

**Fig. 18  Print Roller**

1. Turn lever (2) counterclockwise to open printhead.
2. Remove material and transfer ribbon from the printer.
3. Fold down cover (5) with tear-off plate or cutter.
4. Lift print roller (4) from its retainers (3).
5. Remove deposits with roller cleaner and a soft cloth, or replace it if the roller appears damaged.
6. Push roller with bearings (1) into the retainer (3) until they click into place.
7. Fold up cover (5) with tear-off plate or cutter.
7.5 Cleaning Cutter and Replace Blades

**Warning!**
- Disconnect printer from electrical outlet to prevent accidental blade movement.

**Warning!**
Risk of injury! The cutter blades are sharp!

**Notice!**
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.
- Clean the drive roller and the cutter blades often.

1. Fold down cutter.
2. Push release push button (1) and lift blade unit (3) from the cover (4).
3. If the blades are only slightly dirty it is sufficient to clean them with a soft cloth and continue with point 5.
4. If the blades are very dirty with residues of adhesive or if they are worn, change blades:
   - Turn shaft (6) clockwise using a torx wrench TX10 until the gear racks (7) cannot engage anymore.
   - Pull upper blade (9) out of the guides (8).
   - Take out lower blade (10).
   - Remove deposits on the blades with label remover and a soft cloth.
   - If necessary, replace blades.
   - Push lower blade down into the guides (11).
   - If necessary, put springs (12) back into spring retainers (13).
   - To re-mount the upper blade push lower blade down on the cover and push upper blade into the guide until the gear racks (7) can engage with the gear wheels (5).
   - Turn shaft (6) counterclockwise using a torx wrench TX10 until the blade reaches the upper limit.

5. Fit blade unit (3) according to Fig. 19 into the axes (2) and fold it towards the cover (4) until it snaps in.

6. Fold cutter/perforation cutter up to the print unit.
8 Fault Correction

8.1 Types of Errors

The diagnostic system indicates on the touchscreen display if an error has occurred. The printer is set into one of the three possible error states according to the type of error.

<table>
<thead>
<tr>
<th>State</th>
<th>Display</th>
<th>Button</th>
</tr>
</thead>
<tbody>
<tr>
<td>Correctable error</td>
<td>!</td>
<td>Continue, Cancel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Display turns red</td>
</tr>
<tr>
<td>Irrecoverable error</td>
<td>!</td>
<td>Cancel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Display turns red</td>
</tr>
<tr>
<td>Critical fault</td>
<td>X</td>
<td>Cancel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Display turns red</td>
</tr>
</tbody>
</table>

Table 3  Error States

8.2 Problem Solution

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizontal white lines in the print image</td>
<td>Printer is used with the backfeed &gt; smart in the cut or peel-off mode</td>
<td>Set the backfeed &gt; always in the setup. ▶ Configuration Manual.</td>
</tr>
<tr>
<td>Print image has smears or voids</td>
<td>Printhead is dirty</td>
<td>Clean the printhead ▶ 7.2 on page 23</td>
</tr>
<tr>
<td></td>
<td>Temperature too high</td>
<td>Decrease temperature via software.</td>
</tr>
<tr>
<td></td>
<td>Unsuitable combination of labels and transfer ribbon</td>
<td>Use different type of ribbon.</td>
</tr>
<tr>
<td>Printer only prints every second label</td>
<td>Setting of the size in the software is too large.</td>
<td>Change the size in the software.</td>
</tr>
<tr>
<td>Printer prints a sequence of characters instead of the label format</td>
<td>Printer is in ASCII dump mode</td>
<td>Cancel the ASCII dump mode.</td>
</tr>
<tr>
<td>Transfer ribbon wrinkles</td>
<td>Transfer ribbon feed path not adjusted</td>
<td>Adjust transfer ribbon feed path ▶ 4.4 on page 20</td>
</tr>
<tr>
<td></td>
<td>Transfer ribbon too wide</td>
<td>Use transfer ribbon only a little wider than the labels</td>
</tr>
</tbody>
</table>
## Fault Correction

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Remedy</th>
</tr>
</thead>
</table>
| Vertical white lines in the print image      | Printhead is dirty                   | Clean the printhead.  
▷ 7.2 on page 23                             |
|                                              | Printhead is defective (failure of heat elements) | Change the printhead.  
▷ 7.3 on page 24                             |

Table 4  Problem Solution
## 8.3 Error Messages and Fault Correction

<table>
<thead>
<tr>
<th>Error message</th>
<th>Cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barcode too big</td>
<td>The barcode is too big for the allocated area of the label</td>
<td>Reduce the size of the barcode or move it.</td>
</tr>
<tr>
<td>Barcode error</td>
<td>Invalid barcode content, e.g. alphanumeric characters in a numerical barcode</td>
<td>Correct the barcode content.</td>
</tr>
<tr>
<td>Buffer overflow</td>
<td>The input buffer memory is full and the computer is still transmitting data.</td>
<td>Use data transmission via protocol (preferably RTS/CTS).</td>
</tr>
<tr>
<td>Card full</td>
<td>No more data can be stored on the medium.</td>
<td>Replace medium.</td>
</tr>
<tr>
<td>Cutter blocked</td>
<td>Cutter cannot return into its home position and stays in an undefined position</td>
<td>Switch off the printer. Remove material. Switch on the printer. Restart print job. Check material</td>
</tr>
<tr>
<td></td>
<td>No cutter function</td>
<td>Switch the printer off and then on. If error recurs call service.</td>
</tr>
<tr>
<td>Device not conn.</td>
<td>Programming addresses a non-existent device</td>
<td>Either connect this device or correct the programming.</td>
</tr>
<tr>
<td>File not found</td>
<td>Requested file is not on the data medium</td>
<td>Check the contents of the data medium.</td>
</tr>
<tr>
<td>Font not found</td>
<td>Error with the selected download font</td>
<td>Cancel current print job, change font.</td>
</tr>
<tr>
<td>Head open</td>
<td>Printhead not locked</td>
<td>Lock printhead.</td>
</tr>
<tr>
<td>Head too hot</td>
<td>Printhead is overheated</td>
<td>After pausing the print job will be continued automatically. If the fault recurs repeatedly, reduce the heat level or the print speed via software.</td>
</tr>
<tr>
<td>Material too thick</td>
<td>Material too thick or hard, cutter does not cut through material but can return to initial position.</td>
<td>Cancel print job. Check material.</td>
</tr>
<tr>
<td></td>
<td>Blunt blades</td>
<td>Clean or change blades &gt; 7.5 on page 26</td>
</tr>
<tr>
<td>Memory overflow</td>
<td>Current print job contains too much information, e.g. selected font, large graphics</td>
<td>Cancel current print job. Reduce amount of data to be printed.</td>
</tr>
<tr>
<td>Error message</td>
<td>Cause</td>
<td>Remedy</td>
</tr>
<tr>
<td>---------------------</td>
<td>-----------------------------------------------------------------------</td>
<td>-------------------------------------------------</td>
</tr>
<tr>
<td>Name exists</td>
<td>Duplicate usage of field name in the direct programming</td>
<td>Correct programming</td>
</tr>
<tr>
<td>Network Error</td>
<td>e.g. No DHCP server, no link, no SMTP server, no Timeserver</td>
<td>Please contact your network administrator.</td>
</tr>
<tr>
<td>No label found</td>
<td>There are labels missing on the label material</td>
<td>Press Continue repeatedly until printer recognizes the next label on the material.</td>
</tr>
<tr>
<td></td>
<td>The label format as set in the software does not correspond with the real label format</td>
<td>Cancel current print job. Change the label format set in the software. Restart print job.</td>
</tr>
<tr>
<td></td>
<td>Printer is loaded with continuous paper, but the software is set on labels</td>
<td>Cancel current print job. Change the label format set in the software. Restart the print job.</td>
</tr>
<tr>
<td>No label size</td>
<td>The size of the label is not defined in the programming.</td>
<td>Check programming.</td>
</tr>
<tr>
<td>Out of paper</td>
<td>Out of label roll</td>
<td>Load labels.</td>
</tr>
<tr>
<td></td>
<td>Error in the paper feed, Material is not positioned under the label sensor.</td>
<td>Check paper feed.</td>
</tr>
<tr>
<td>Out of ribbon</td>
<td>Out of transfer ribbon</td>
<td>Insert new transfer ribbon.</td>
</tr>
<tr>
<td></td>
<td>Transfer ribbon melted during printing</td>
<td>Cancel current print job. Change the heat level via software. Clean the printhead  7.2 on page 23 Load transfer ribbon Restart print job.</td>
</tr>
<tr>
<td></td>
<td>The printer is loaded with thermal labels, but the software is set to transfer printing</td>
<td>Cancel current print job. Set software to direct thermal printing. Restart print job.</td>
</tr>
<tr>
<td>Protocol error</td>
<td>Printer has received an unknown or invalid command from the computer, e.g. the command to perform a cut although a cutter is not mounted</td>
<td>Select Continue to skip the command or select Cancel to cancel the print job.</td>
</tr>
<tr>
<td>Read error</td>
<td>Read error when reading from the data medium.</td>
<td>Check data medium. Backup data, reformat medium.</td>
</tr>
<tr>
<td>Error message</td>
<td>Cause</td>
<td>Remedy</td>
</tr>
<tr>
<td>------------------</td>
<td>----------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Structural err.</td>
<td>Error in the file list of the data medium, data access is uncertain.</td>
<td>Format data medium.</td>
</tr>
<tr>
<td>System Error</td>
<td>e.g. FPGA defective, invalid setup, voltage error</td>
<td>Switch the printer off and then on. Please note error details shown on the display. If error recurs call service.</td>
</tr>
<tr>
<td>Unknown card</td>
<td>Data medium not formatted.</td>
<td>Format data medium.</td>
</tr>
<tr>
<td></td>
<td>Type of data medium not supported.</td>
<td>Use different type of data medium.</td>
</tr>
<tr>
<td>USB error</td>
<td>e.g. Too much current, no reaction, unknown device</td>
<td>Do not use the USB device.</td>
</tr>
<tr>
<td>Write error</td>
<td>Hardware error</td>
<td>Repeat the write process, reformat card.</td>
</tr>
<tr>
<td>Write protected</td>
<td>Data medium write protection is activated.</td>
<td>Deactivate the write protection.</td>
</tr>
</tbody>
</table>

Table 5 Error Messages and Fault Correction
9 Licences

9.1 Reference to the EU Declaration of Conformity

The printers of the EOS series comply with the relevant fundamental regulations of the EU Rules for Safety and Health:

- Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits
- Directive 2014/30/EU relating to electromagnetic compatibility
- Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment

EU Declaration of Conformity

▷ [https://www.cab.de/media/pushfile.cfm?file=2601](https://www.cab.de/media/pushfile.cfm?file=2601)
9.2 FCC

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. The equipment generates, uses, and can radiate radio frequency and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user may be required to correct the interference at his own expense.

9.3 GPL Code Statement

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Please direct all inquiries to:

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