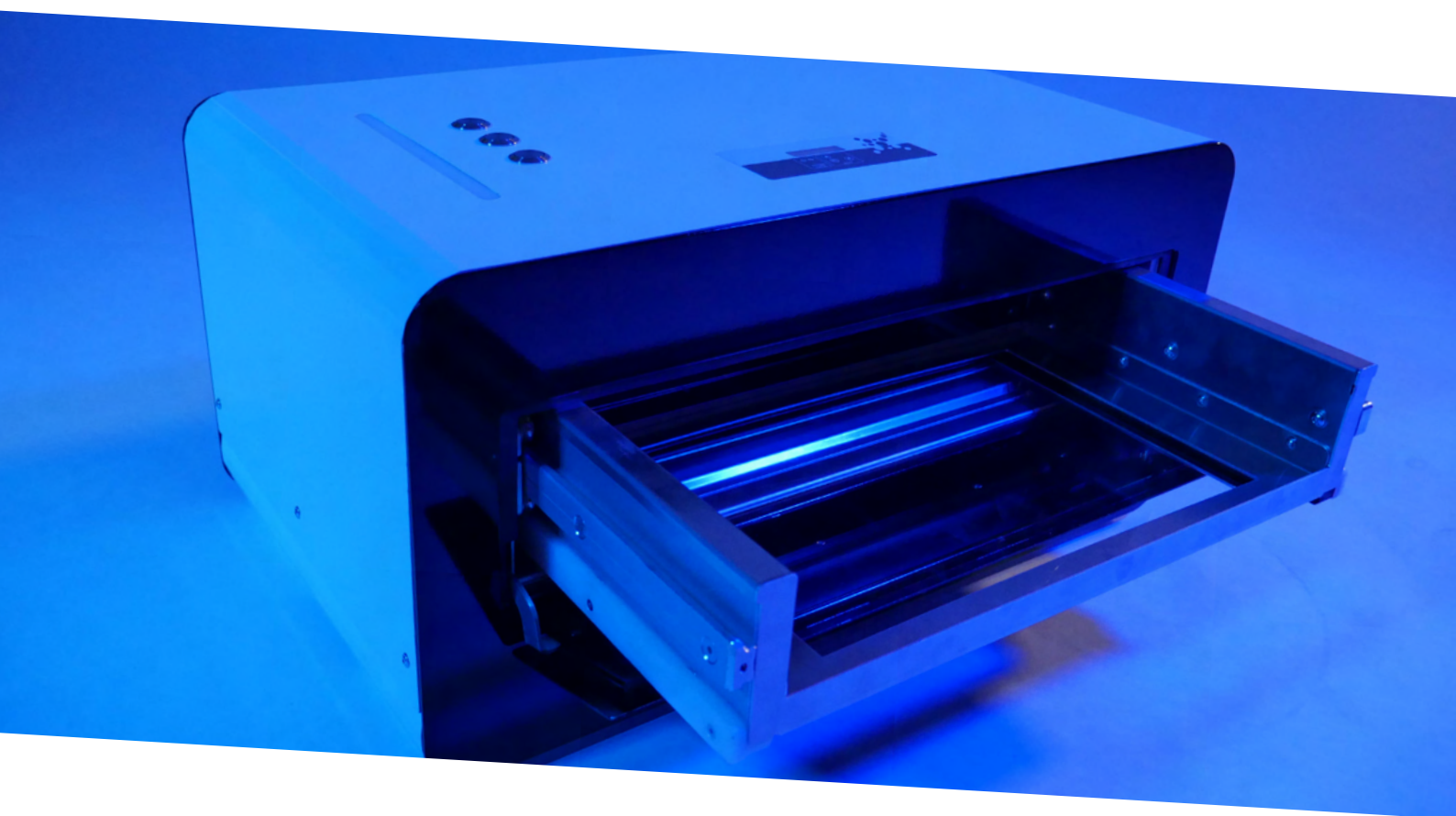




eos[®] Transfer Tray P7810

Operation manual



Valid Version 1.3 11.10.2021

Original operation manual

SITEC GmbH

Johann-Georg-Herzog-Straße 19
96369 Weissenbrunn – Hummendorf
Germany

Phone: +49 (0) 9261 – 6075-0
Fax: +49 (0) 9261 – 6075-10
Website: www.sitec.de
Email: info@sitec.de

© 2021 SITEC GmbH. All rights reserved.

The company SITEC GmbH retains the copyright to this document. The content of this document may not be changed, copied, duplicated, sold, leased, supplemented, or used in any other manner without written permission by the company SITEC GmbH. All product designations in this document are trademarks by the SITEC company.

SITEC is trying hard to ensure a complete and correct documentation. Nevertheless, there cannot be a guarantee for the completeness and correctness of the information, graphics, links and texts provided.

If this product contains software it may only be used according to our license terms. The software used with our products is the property of SITEC GmbH and may not be changed, copied, duplicated, sold, rented, supplemented or used in any other way.

The information herein is under constant change. You may ask the SITEC GmbH for an actual version of these documentation. Most of the software and hardware terminology used within this documentation are registered trademarks. Design and execution of our devices and systems are protected by copyright.

Table of contents

1. About this document	4
1.1. Target groups	4
1.2. Storage of the operation manual	4
1.3. Symbol key	4
2. Safety instructions	5
2.1. Basic safety information	5
2.2. Technical data	5
2.3. Operators due diligence	6
2.4. Ensure trouble free operation	6
2.5. Intended use	6
2.6. Dangers and risks	7
3. Performance specification	9
3.1. General overview	9
3.2. Operating principle	9
3.3. Declaration of RoHS conformity and WEEE directive	9
4. Device description	10
4.1. General overview	10
4.2. Operating elements	11
5. Task description	12
5.1. Unpacking and connecting the device	12
5.2. Handover process - Switches	14
5.3. Handover process - Without cleaning process	18
5.4. Handover process - Gesture control (Optional)	19
5.5. Handover process - Gesture control (Optional) without cleaning process	22
6. Maintenance and repair	23
6.1. General cleaning information	23
7. Warranty conditions	24

1. About this documents

Gender-specific pronouns in this document are only used where necessary to make the text easier to read, and our intention is not to exclude any product users.

The operation manual is an important part of the product and must be read carefully and be available at all times.





1.1. Target groups

- The operator of the eos® Transfer Tray P7810 is responsible for the operation and maintenance of the device.
- People who were trained by the operator to fulfill certain tasks at the transfer tray e.g. operation and maintenance of the device.

1.2. Storage of the operation manual

Always keep the user manual close to the transfer tray and ready to use. If the user manual has become unreadable caused by usage during time feel free to order a new one from the producer.

1.3. Symbol key

	Information on an area requiring additional attention or involving hazards that could result in personal injury, property damage, or monetary losses. The importance of the information is indicated as follows: - DANGER Severe potential of danger - WARNING Medium potential of danger - CAUTION Low potential of danger
	Indicates a hazard due to UV-radiation.
	Indicates a hazard due to electric current.
	Indicates a hazard due to a heat source.

2. Safety instructions

2.1. Basic safety information

The product may only be used as intended (see point 2.5. „Intended use“).

The eos® Transfer Tray P7810 consists of an aluminum frame and a tray which drives to the customer and the operator side. If one of these elements is visibly damaged, the transfer tray should be taken out of regular use and the customer service should be contacted immediately. In order to ensure save operation of the transfer tray at all times maintenance and repair work may only be conducted by qualified personnel.

2.2. Technical data

Product:	eos® Transfer Tray P7810
Operating mode:	Electrically
Controls:	Buttons on the top of the device or with gesture control (optional)
Power supply:	230 V AC/50hz
Dimensions:	Width: 580 mm, Height: 280 mm, Depth: 330 mm

More specific technical information can be found in the technical documents, connection and circuit diagram.

NOTE: The UV lamps have a lifetime of approx. 10000 operating hours (depending on the intensity of use). The UV lamps must then be replaced in order to maintain the efficiency level.

2.3. Operator's due diligence

The eos® Transfer Tray P7810 was developed and constructed in consideration of a risk analysis and after careful selection of the integrated standards to be complied with, as well as other technical specifications. Therefore, it is considered state of the art technology and ensures the highest possible level of safety.

This can only be maintained if all necessary measures are taken. It is the operator's sole responsibility to plan and monitor necessary measures. Please also note the security information under point 2.1.

2.4. Ensure trouble-free operation

To ensure flawless and trouble-free operation, the following points must be respected:

- o Carefully read the user manual before using the transfer tray.
- o Daily check of the transfer tray and its moving parts for visible damage.
- o Stick to the maintenance plan. (If apply)
- o Please do not deactivate safety installations such as sensors, manual unlocking features. (If apply)

Maintenance and repair work may only be conducted by qualified personnel.

People who are experienced in repair and maintenance of transfer trays and understand its functionality are considered qualified personnel. They must also, based on their education, be familiar with the accident prevention regulations and the required technical regulations.

The eos® Transfer Tray P7810 is normally maintenance-free.

2.5. Intended use

The eos® Transfer Tray P7810 is designed for interior use. It allows e.g. the hygienic and nearly virus- and bacteria-free handover of goods, documents and objects and is often used in pharmacies, departments and wherever handover processes take place.

The manufacturer accepts no liability for personal injury, property damage, or monetary losses incurred due to the improper use of the device.

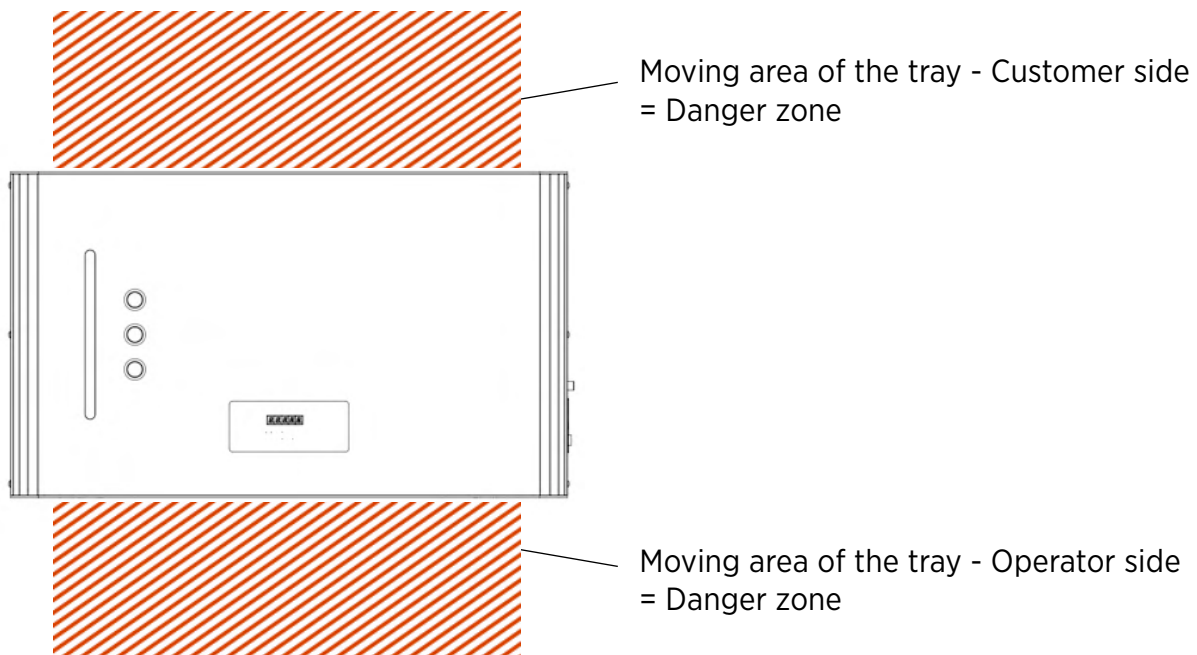
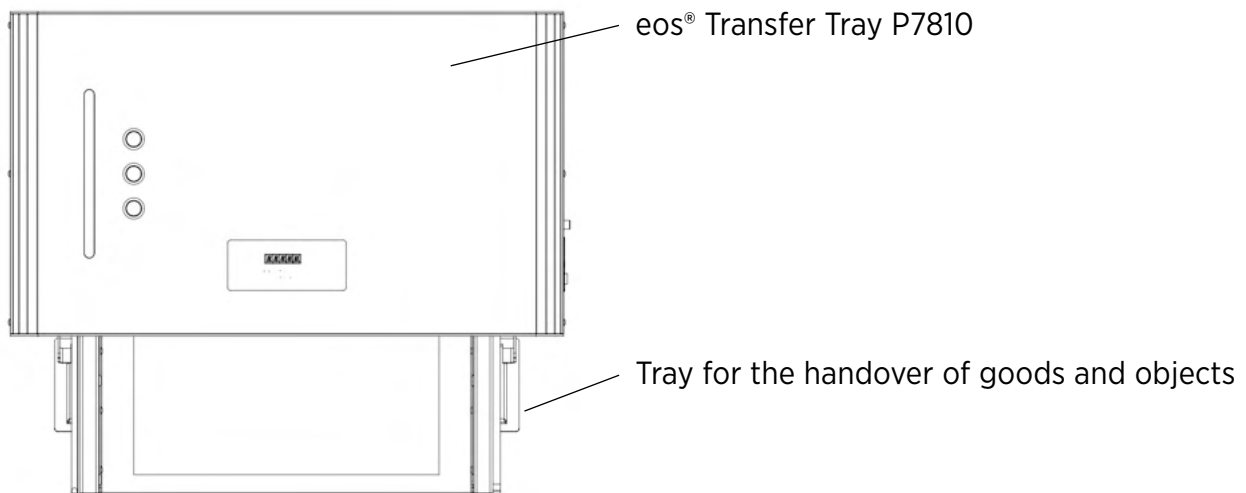
ATTENTION! Objects such as explosives, weapons, chemicals, illegal materials, food and most importantly living beings may not be passed through the transfer tray.

2.6. Dangers and risks

There might be a residual risk of crushing and impact within the moving range of the tray of the eos® Transfer Tray P7810. The tray of the transfer tray operates electronically and stops automatically as soon as it encounters resistance to avoid injuries.

However, it must be ensured that the moving area of the tray is clear before operation.

TRANSFER TRAY - TOP VIEW



The eos® Transfer Tray P7810 has two danger zones, one on the customer and one on the operator side, which occur when the tray is moved in and out. The movement area of the tray must be clear before operation.

INFO: If it is not possible to see the customer area directly, we recommend to install a mirror that provides best possible view at the customer side at all time to ensure that the moving area of the tray is clear before operating it.

In addition, we recommend installing warning labels indicating that no body parts should be within the moving area of the tray when it is in motion.

ATTENTION! The interior of the eos® Transfer Tray P7810 contains intense UV radiation which is dangerous to living beings. It is not allowed to pass living beings through the transfer tray.

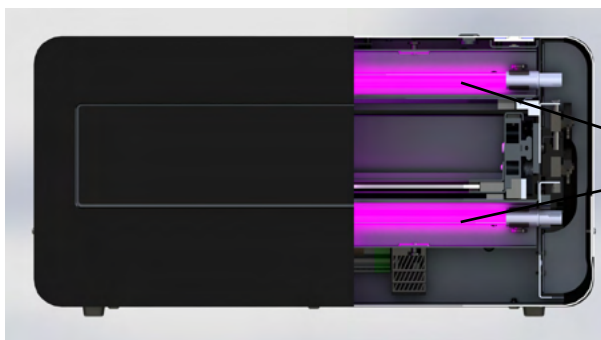


WARNING! DANGER from UV radiation.

The transfer tray operates with UV radiation, which is dangerous for living beings.

- ⇒ Never look directly into the UV light.
- ⇒ Never open the flaps of the transfer tray during the cleaning process.
- ⇒ Always disconnect the power supply if the housing must be opened. Only qualified personnel authorized by SITEC may perform repair and maintenance work on the transfer tray.

IMPORTANT! The eos® Transfer Tray P7810 has two security systems that help prevent both direct view at the UV light and skin contact with UV radiation. A shutter system prevents UV light from exiting when the tray is either on the customer or the operator side and the transfer tray is open. An automatic shut-off system on the customer side turns off the UV lamps if the flap on the customer side is accidentally opened by hand during the cleaning process.



UV-Lamps - Avoid direct view and skin contact.

3. Performance description

3.1. General overview

The eos® Transfer Tray P7810 has been designed for hygienic handover of goods and objects, e.g. medication in exchange for prescription in pharmacies.

The highly efficient UV lamps eliminate almost all viruses and bacteria from the surfaces of objects and goods. The cleaned object can then be removed from the transfer tray without any health risk or danger of infection.

3.2. Operating principle

A typical use case is the hygienic handover of medications in exchange for a prescription in pharmacies.

The operator pushes the button on the top of the eos® Transfer Tray P7810 to move the tray to the customer side. The customer places his prescription into the tray.

By pressing the corresponding button on the transfer tray the tray with the prescription returns to the center of the transfer tray where the cleaning process takes place. It takes only a few seconds, then the tray drives automatically to the operator side.

The operator takes the cleaned prescription without danger of infection and gets the medication for the customer. After placing it in the tray the corresponding button on top of the transfer tray is pushed. The tray returns back to center position where the medication undergoes the cleaning process.

After a few seconds, the tray automatically drives to the customer, who benefits from the hygienic handover procedure as well and takes the cleaned medication.

The handover process is finished.

3.3. Declaration of RoHS conformity and WEEE directive

Our company works around the world, and believes protecting the environment and natural resources is our corporate obligation. SITEC has been marketing and producing RoHS conforming products for many years, and the company views the introduction of RoHS guidelines as a confirmation of our approach.

4. Device description

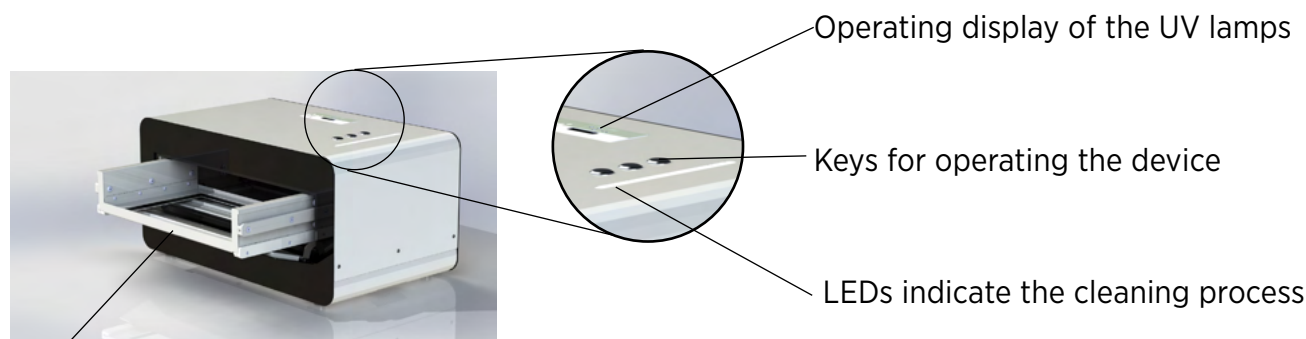
4.1. General overview

The eos® Transfer Tray P7810 is an extremely flexible, electronically controlled transfer tray for hygienic handover process of objects, designed according to the latest state-of-the-art technology. It is equipped with highly efficient UV lamps. The intensity of cleaning is adjustable. This allows all viruses and bacteria to be eliminated. The eos® Transfer Tray P7810 is suitable for many use cases, e.g. companies - for the internal exchange of documents and items, pharmacies - for the handover of medicines and offices - for the handover of documents. Just to name a few.

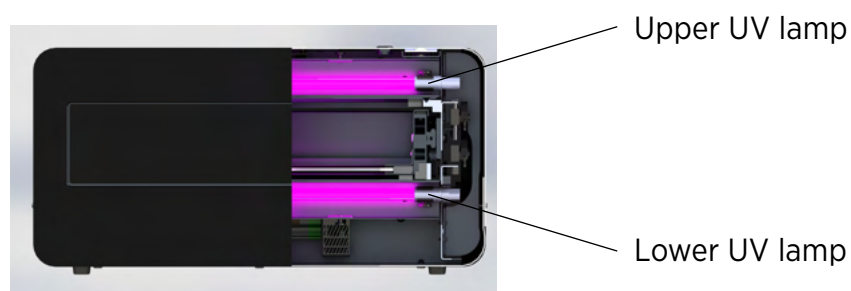
The eos® Transfer Tray P7810 is designed for interior use only. The handover and cleaning process takes only a few seconds and allows an efficient and hygienic workflow.

It is operated via three buttons located on top of the transfer tray. It is very easy to operate and thus eliminates the need for training. An LED indicates the cleaning process.

The eos® Transfer Tray P7810 can be used flexibly and, thanks to its lightweight design, fits on almost any counter or other suitable location.



Tray for the handover
of items

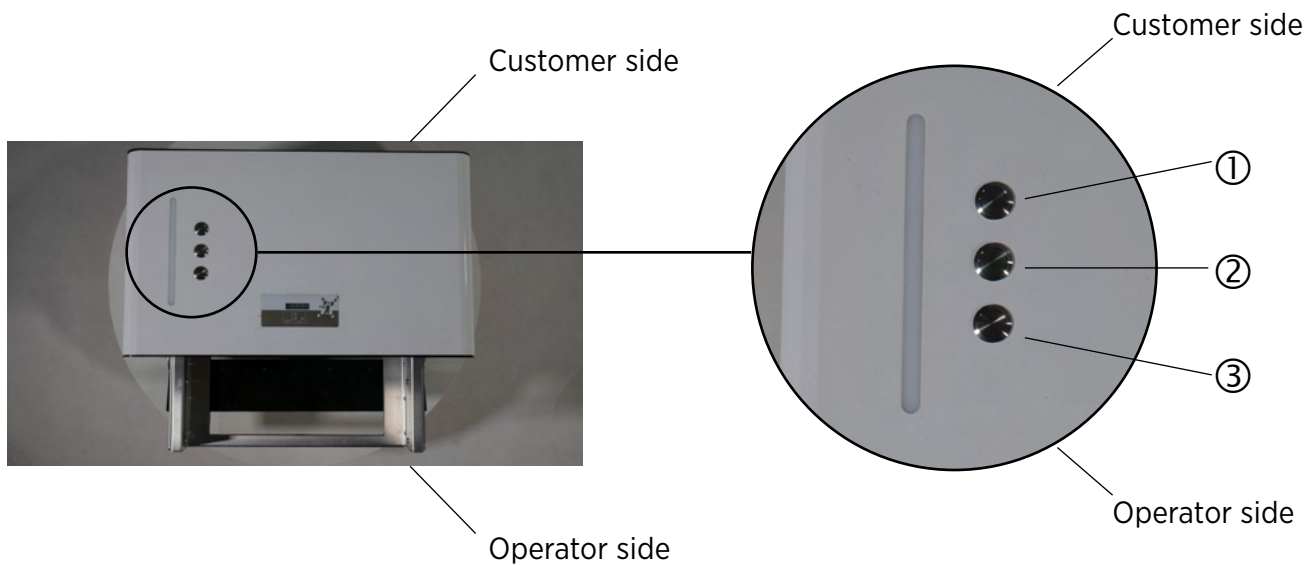


4.2. Operating elements

The eos® Transfer Tray P7810 has three keys on the top side used to operate it.

Settings can be changed via a display with push buttons also located on the top side.

Optionally, the eos® Transfer Tray P7810 can be operated completely contactless via gesture control.



Keys	Position of tray	Operation	Result
①	Customer side	None	No function
	Middle position	1x	Tray moves to the customer side
	Operator side	1x	Tray moves to center position, cleaning process takes place, tray moves to the customer side afterwards
		2x	Tray moves to the customer side without cleaning
②	Customer side	1x	Tray moves to center position
	Middle position	None	No function
	Operator side	1x	Tray moves to center position
③	Customer side	1x	Tray moves to center position, cleaning process takes place, tray moves to the operator side afterwards
		2x	Tray moves to the operator side without cleaning
	Middle position	1x	Tray moves to the operator side
	Operator side	None	No function

5. Task description

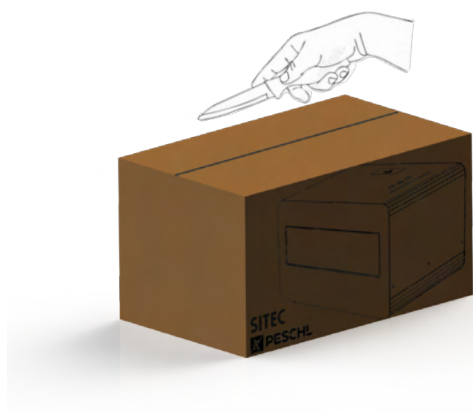


5.1. Unpacking and connecting the device

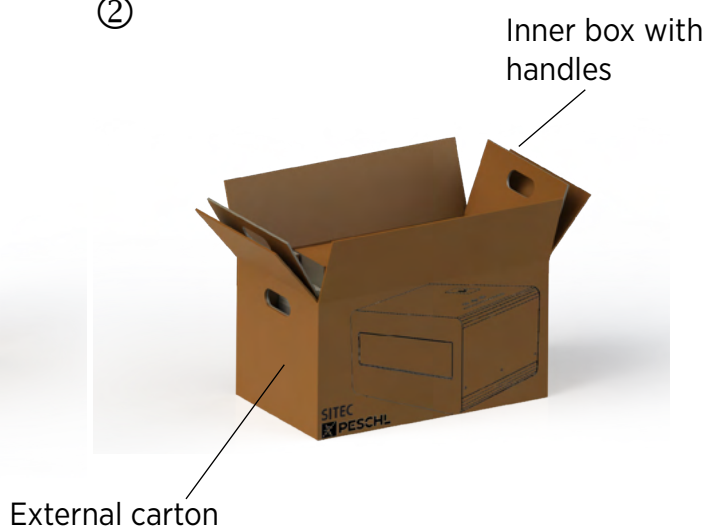
The eos® Transfer Tray P7810 is supplied in a cardboard box. Allow the device to adjust to ambient temperature before operating it, especially in cold outside temperatures.

⇒ Cut open the cardboard box at the top side. Be careful not to cut too deeply so as not to scratch the surface of the device. Inside the carton is an inner box with two handles for easy removal of the device.

①



②

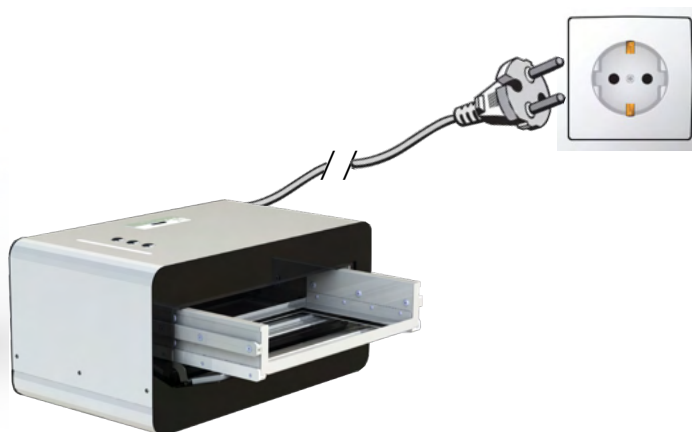


⇒ Carefully pull out the eos® Transfer Tray P7810 using the two handles and plug the power cord into the device. Connect the device to the power supply.

③

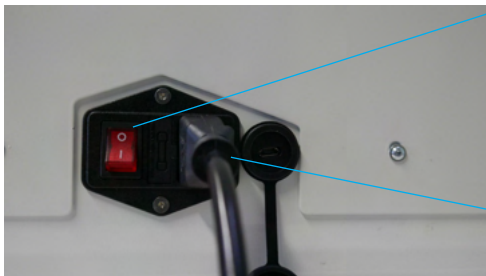


④



⇒ Switch on the transfer tray by changing the position of the toggle switch from position 0 (off) to position 1 (on).

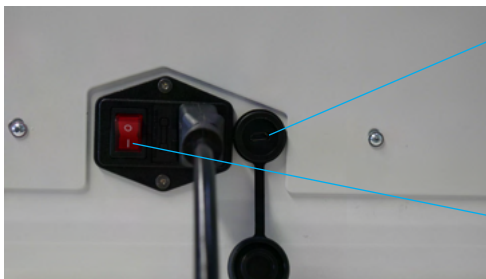
⑤



Position 0 = Off

Three-pin power plug

⑥

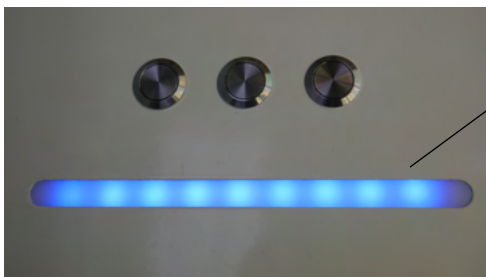


Mini USB connection for gesture control unit

Position 1 = On

⇒ After switching the device on the LED bar on the top side of the transfer tray lights up blue once, then one LED of the LED bar lights up green once. After approx. 15 seconds, the UV lamps are ready. The eos® Transfer Tray P7810 is ready for operation.

⑦



LED bar lights up blue

⑧



One LED of the LED bar lights up green

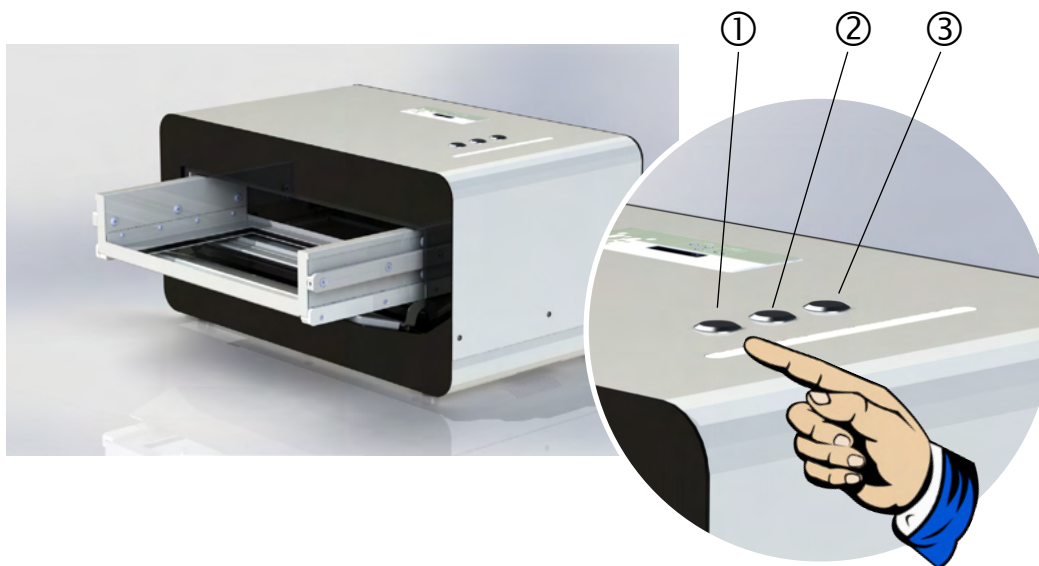
5.2. Handover process - Keys

The eos® Transfer Tray P7810 can be used for nearly every handover process. The handover of documents in offices or keys in car rentals are good examples.

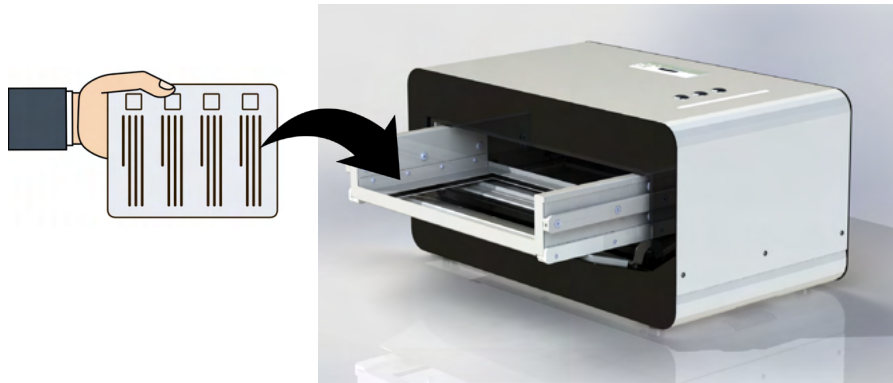
⇒ The tray of the transfer tray is in middle position. The customer steps up to the counter / transfer tray.



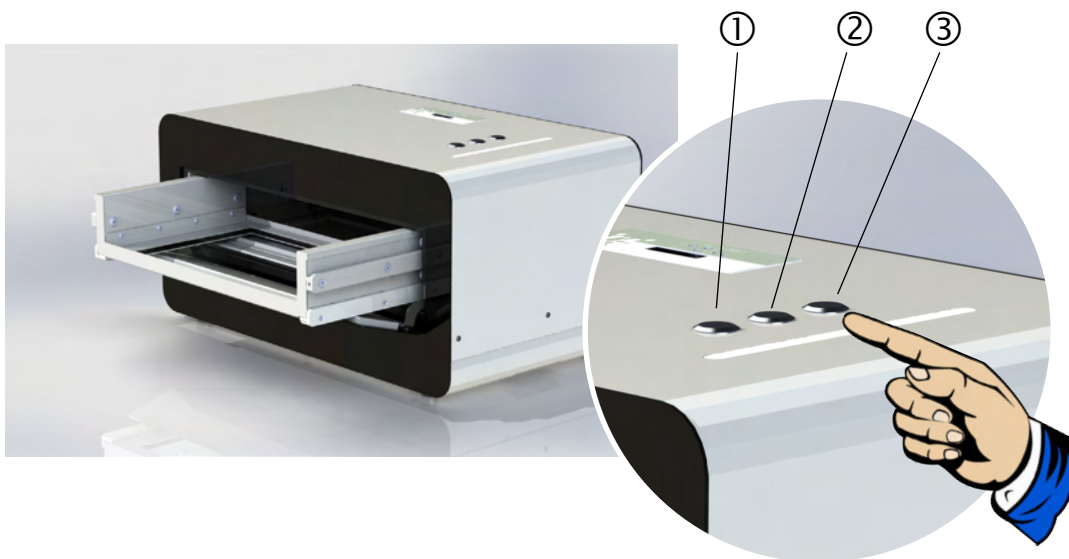
⇒ The operator pushes button ① to move the tray of the transfer tray to the customer.



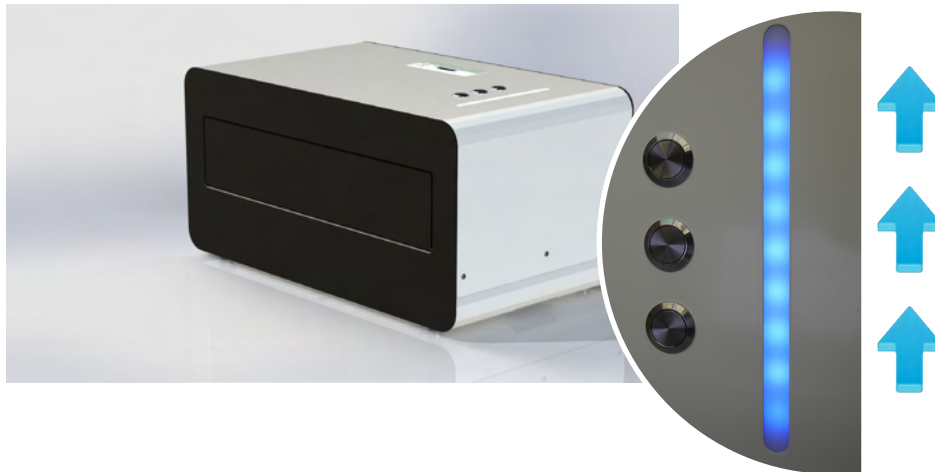
⇒ Customer puts the goods/documents/prescription... into the tray of the transfer tray.



⇒ Operator pushes button ③.



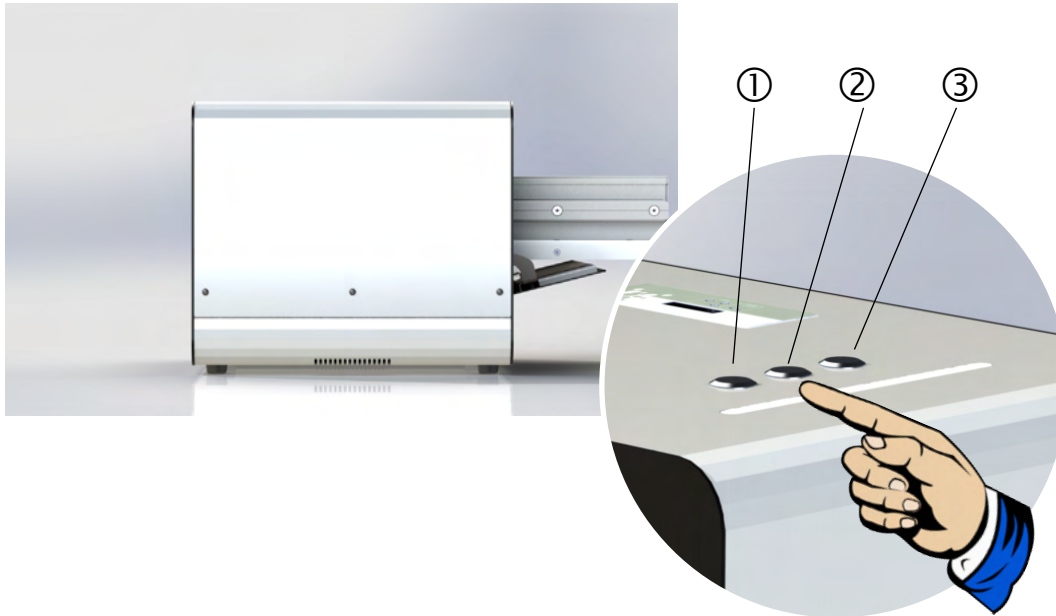
⇒ The tray of the transfer tray moves to the middle position and the cleaning process begins. The LED bar repeatedly lights up blue for the duration of the cleaning process.



⇒ The tray moves automatically to the operator side after the cleaning process. The operator removes the goods/documents/prescription... The entire handover process also works in reverse.



⇒ The operator pushes button ②.



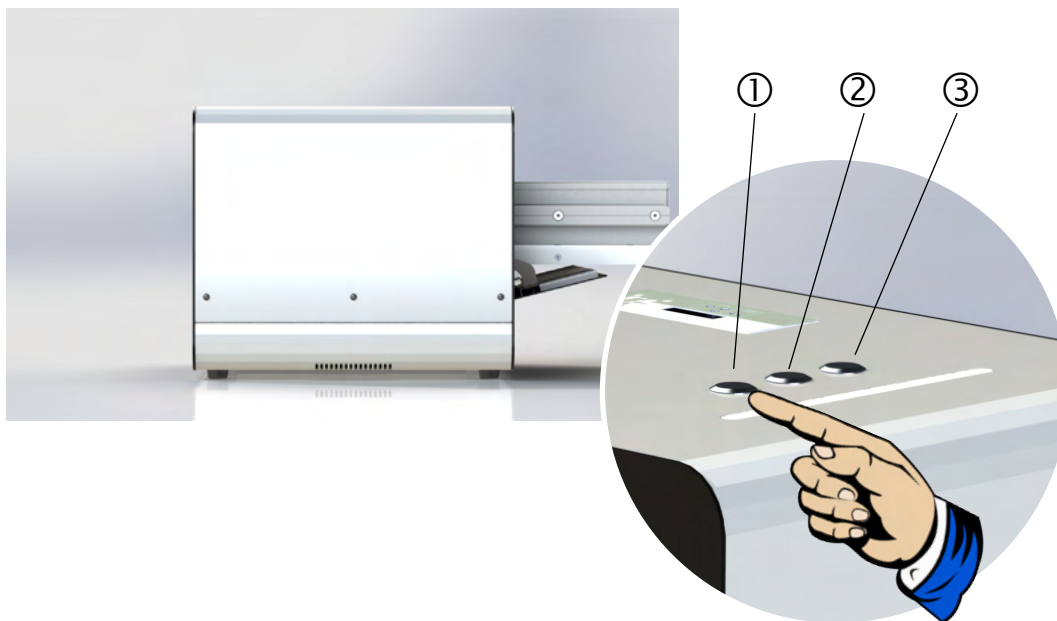
⇒ The tray of the transfer tray moves to the middle position. The handover process is completed.



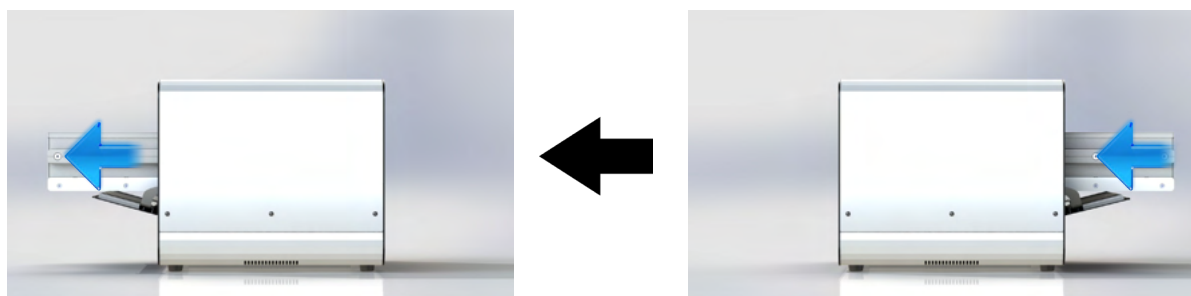
5.3. Handover process - Without cleaning process

The tray of the transfer tray can also be moved directly from the customer to the operator side and vice versa without the cleaning process.

⇒ If, for example, the tray of the transfer tray is on the operator side and is to be moved directly to the customer, the operator pushes twice the button ①.



⇒ The tray moves directly to the customer side without the cleaning process.



Customer side

Operator side

5.4. Handover process - Gesture control (Optional)

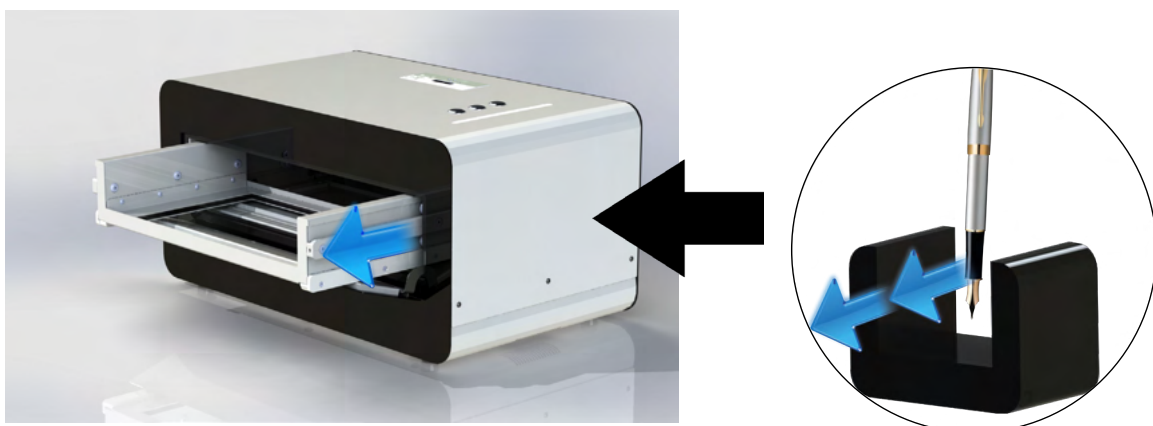
The gesture control enables touch-free operation of the eos® Transfer Tray P7810. With this operation mode, the keys on the top side of the transfer tray are no longer used. The gesture control is operated directly with gestures of the finger or another object like a pen.

⇒ The tray of the transfer tray is in middle position. The customer steps up to the counter / transfer tray.

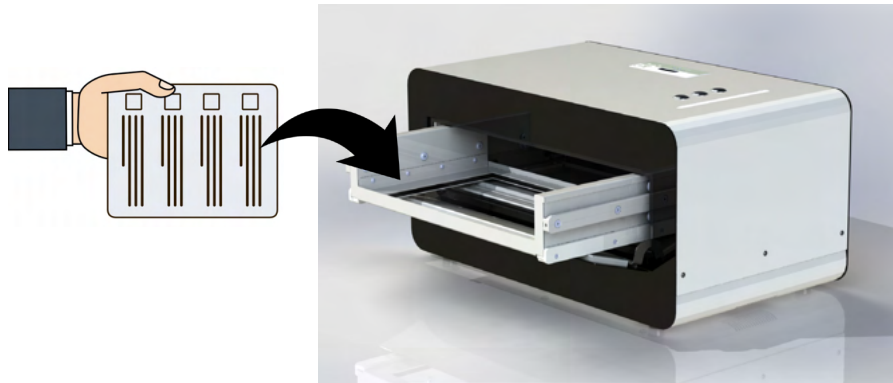


⇒ The operator moves his finger / pen once (1x) through the U-shaped gesture control unit in the direction of the customer. The tray of the transfer tray moves to the customer side.

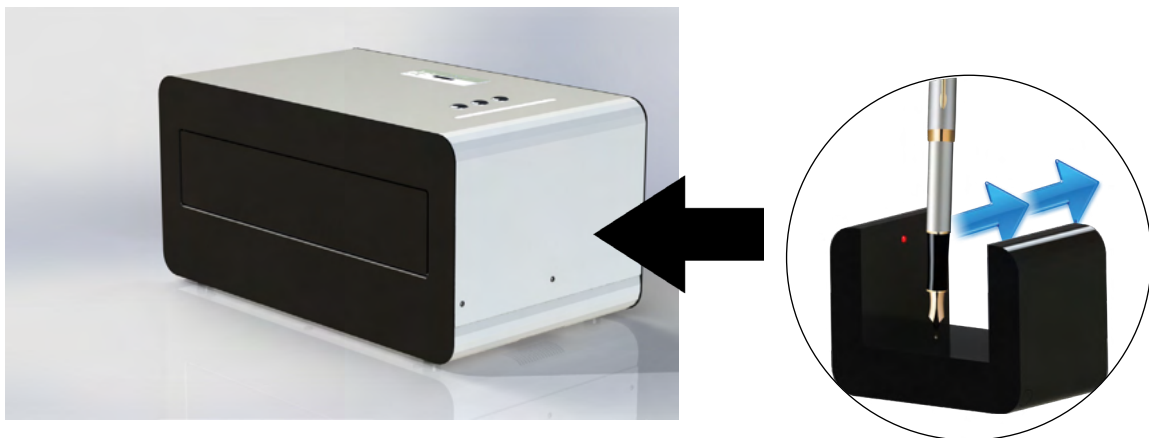
(The proportions in the illustration below do not correspond to reality)



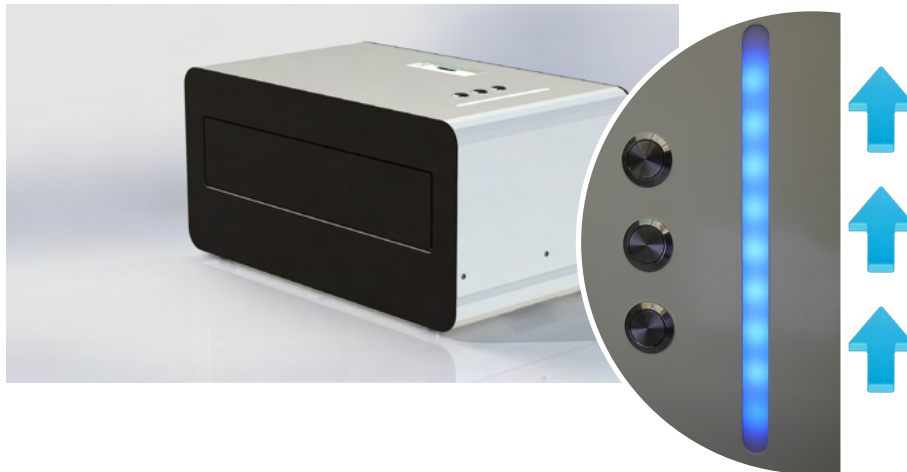
⇒ The customer puts goods/documents/prescription... into the tray of the transfer tray.



⇒ The operator moves his finger / pen once (1x) through the U-shaped gesture control unit in the direction of the operator. The tray of the transfer tray moves to middle position.



⇒ The cleaning process begins. The LEDs repeatedly light up blue for the duration of the cleaning process.



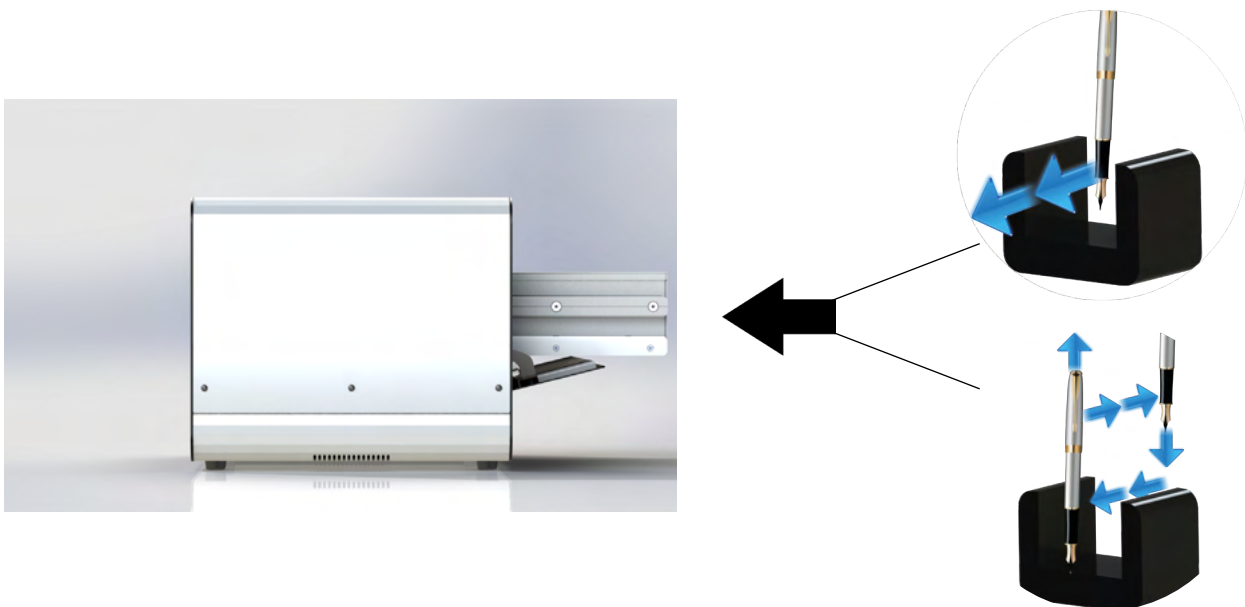
⇒ The tray of the transfer tray automatically moves to the operator side after the cleaning process is completed. The operator removes the goods/documents/prescription... The entire handover process also works in reverse.



5.5. Handover process - Gesture control (optional) without cleaning process

The tray of the transfer tray can also be moved directly from the customer to the operator side and vice versa without the cleaning process.

⇒ If, for example, the tray of the transfer tray is on the operator side and is to be moved directly to the customer, the operator moves his finger / pen twice (2x) in quick successions through the U-shaped gesture control unit in the direction of the customer side.



⇒ The tray moves directly to the customer side without the cleaning process.



Customer side



Operator side

6. Maintenance and repair

The mechanics of the eos® Transfer Tray P7810 are maintenance-free.

The UV lamps must be replaced in order to maintain the cleaning efficiency. The UV lamps may only be replaced by personnel authorized by SITEC.



WARNING! DANGER from UV radiation.

The transfer tray operates with UV radiation, which is dangerous for living beings.

- ⇒ Never look directly into the UV light.
- ⇒ Never open the flaps of the transfer tray during the cleaning process.
- ⇒ Always disconnect the power supply if the housing must be opened. Only qualified personnel authorized by SITEC may perform repair and maintenance work on the transfer tray.

6.1. General cleaning information

In particular, the quartz plate of the tray must be cleaned regularly to avoid a reduction in cleaning efficiency due to pollution. Please only use suitable cleaning agents (common universal cleaner). Do not use any corrosive cleaning agents, or agents containing solvents.

We recommend wet cleaning for hard-to-remove dirt on the device. Mild household cleaners in a watery solution (such as neutral cleaner, vinegar-based cleaner, or soapy water) can be used for wet cleaning. Scouring agents, or cleaners containing acetone or solvents are not permitted. Make sure to dry the device after wet cleaning to ensure that no liquid or water gets inside the transfer tray.

IMPORTANT! Always place cleaning agents onto a cleaning cloth instead of placing them directly on the device.

Always make sure cleaning is completed with a soft cloth that is free from any abrasive objects like sand or grit. Do not use sponges with a rough surface.

In general, and specifically when using cleaning aids that are different from those specified, always test them out on a non-visible area to ensure they are compatible with the device.

7. Warranty conditions

Our general warranty conditions apply. We provide a 12 month warranty from the date of delivery.

If we receive justified complaints during this time period, we will exchange defective parts free of charge once the defective parts have been delivered to us. Parts will be exchanged on site. Defective parts must be sent to us first. The customer will bear all costs and risks for delivery and return transport, and for the onsite part exchange.

The address for warranty claims is SITEC company headquarters at 96369 Hummendorf, Germany.

Please always contact us before sending us any parts!

The warranty is restricted to defects caused by material and production errors.

In case of defects to the eos® Transfer Tray P7810 due to inappropriate use, vandalism, intentional damage, operating errors, network short circuits, voltage surges, faults, and defects outside the scope of our delivery or performance, as well as force majeure, we will not be able to provide any warranty cover.

In order for us to grant warranty claims, repairs may only be completed by SITEC company technicians or by specialists trained by SITEC, and only original replacement parts and consumable materials made by SITEC may be used.

Consumable materials are not covered by our warranty services.

In addition, we provide no warranty for the following:

- ✗ Natural wear and tear
- ✗ Chemical, electrochemical, and electrical influences
- ✗ Failure to observe assembly / operating or maintenance instructions
- ✗ Force majeure

The warranty will also expire if the serial number is changed, removed, or damaged.

Please contact our customer service either by phone or in writing in case of warranty claims.



SITEC GmbH

Security Systems

Johann-Georg-Herzog-Str. 19

96369 Weißenbrunn

Germany

Phone: +49 (0) 9261 – 60 75 0

Fax: +49 (0) 9261 – 60 75 10

Email: info@sitec.de

Website: www.sitec.de