

# **Suprasetter A75**

## **User's Guide**

01/2024  
Order No PJ.999.0005/06

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**Translation of the original operating  
instructions**

Order No PJ.999.0005/06  
01/2024

Printed in Germany.

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## About This Documentation

This documentation is intended as a reference work for the operator during training courses and in operation.



**Note:** The documentation must be kept safely for future use right up to the disposal of the Suprasetter.

## What You Should Already Know

The user, having attended a training course, should be familiar with the Suprasetter.

## Symbols and Styles

The following typographical conventions are used in this manual:

- References to other chapters and sections are [blue](#) (on the screen) and underlined.

Example: See [section "Symbols and Styles", page 9](#).

- Quotes are used to indicate menus, folders, functions, hardware conditions, switch settings, system messages, etc.

Example: Set the switch to "off".

- Menus, functions and sub-functions are separated by ">".

Example: Select "File > Open...".

- Buttons which you should hold down simultaneously are connected with a plus character.

Example: Press Alt+A.

Before you start ...

## Important Information

Important information in the text is indicated by symbols at the side which are used as follows:



### DANGER

The "DANGER" signal word indicates a hazard with a high risk which, if not avoided, will result in death or severe injury.



### WARNING

The "WARNING" signal word indicates a hazard with a medium risk which, if not avoided, can result in death or severe injury.



### CAUTION

The "CAUTION" signal word indicates a hazard with a low risk which, if not avoided, can result in minor or moderate injury.



### NOTICE

The "NOTICE" signal word indicates possible material damage. Non-observance of this notice can cause damage to the machine.



**Note:** Contains important general or additional information on a specific topic.



**Prerequisite:** Lists requirements which must be fulfilled before the steps which follow can be performed.

## Safety Notes

The Suprasetter complies with the safety regulations of the standards and specifications listed in the "Technical Data" chapter.

## Device Designation

<b>Designation Kind</b>	<b>Name</b>
Sales designation	Suprasetter A75
Type designation	PJ.003.0000

## Correct Use

The Suprasetter is a laser imagesetter for imaging offset printing plates and may only be used for this purpose as described in the customer documentation.

All other use that does not comply with the correct use is prohibited.

## Avoid Misuse

Do not place any objects or liquids on the Suprasetter.

Ventilation outlets must be kept clear at all times.

Do not use the Suprasetter as a seat.

Before you start ...

## Qualification of the Users

After installation, users will be instructed in the operation and service and maintenance of the Suprasetter by HEIDELBERG service personnel. Further instruction, for example, for new staff employed subsequently, must be ensured by the operator of the Suprasetter.

## General

The Suprasetter is to be installed by authorized service personnel only. The ambient conditions must be observed.

For the operating company of a print shop, it is important that the exposure limits regarding the breathable air in the work area, where the Suprasetter is located, are adhered to. The air exchange must be arranged in such a way that the measured dust particles are regularly below the exposure limit values. In accordance with the state of the art, this can be achieved with an 8 to 10 air change rate per hour. If this is not the case at the installation site, the operating company should install an additional exhaust system.



### **WARNING**

#### **Risk of fatal injury from unauthorized opening of the device**

Unauthorized opening of any parts of the casing not specifically referred to in the operating manual and inexperienced repairs can lead to considerable danger for the user.

Service may only be performed by authorized personnel trained for this purpose. The relevant accident prevention regulations must be observed at all times.

Non-observance of accident prevention regulations can lead to the loss of accident insurance cover.





**CAUTION**

**Risk of injury from improper handling**

Plate edges can be sharp. You can injure your hands if you do not wear protective gloves.



**CAUTION**

**Risk of injury from improper handling**

The following loads should not be exceeded: women 15 kg, men 25 kg.



**WARNING**

**Risk of injury if safety system bypassed**

The key-operated switch that can be seen after the right side door is opened may be operated only by service personnel and not by the operator.

The key-operated switch bypasses the safety loop.

The following risks can occur:

- Hazard of being crushed by moving parts.
- Injury from electric shock.

Before you start ...



**DANGER**

### **Danger! High Voltage!**

If cleaning the Suprasetter involves the use of liquids, disconnect it from the power supply beforehand.

Do this by pulling out the power connector on the service tap or by switching it off with the power switch.

## Power Switch with Emergency Cutoff Function

The Suprasetter is **fully cut off** from the power supply by the **power switch** (red rotary switch).

The power switch triggers an all-pole cut-off of the Suprasetter from the power supply. In an emergency, it is to be used as an emergency cutoff switch for the Suprasetter.

## Emergency Stop Switch

All mechanical motions in the Suprasetter are stopped and the invisible laser beam is switched off when the emergency stop switch (red-and-yellow mushroom-shaped button) is used. Use these switches in cases of emergency. They are located on the front right and left struts of the Suprasetter. They are designed for an emergency during servicing and can only be accessed after the side doors are opened.

## On/Off button

The **On/Off switch** switches the Suprasetter to an operational or standby mode.

You must **fully disconnect** the Suprasetter from the power supply, for example, in hazardous situations. To do this, use the power switch or pull out the power connector.



**DANGER**

### **Danger! High Voltage!**

When connecting or disconnecting the power connector, make sure that your hands are not wet. Do not pull the connector by the cable. A damaged power cable can cause leakage currents and electric shocks. Protect the power cable from being damaged. Never place any heavy objects upon it and do not allow it to get jammed.



**Note:** All connectors and outlets of the service line must be easily accessible at all times.

## Laser Safety

The laser imagesetter is a Class 1 laser product.

This means that the invisible laser radiation produced in the Suprasetter is shielded by means of protective covers.

If used as directed, the user is never exposed to danger from the laser beam.

The laser systems used in the Suprasetter are Class 4 products (> 500 mW). Companies servicing the equipment in Germany must appoint a laser protection officer in compliance with provision 11 of the German Social Accident Insurance (DGUV) of the Professional Trade Association.

Before you start ...



**Note:** Servicing may only be carried out by HEIDELBERG personnel who have been trained by appropriate laser protection officers for this purpose.

## Working on the suction device

The manufacturers of printing plates recommended by HEIDELBERG state that application of their plates is harmless with regard to any pollutants. Obtain and heed the notes provided by the printing plate manufacturer if applicable. If printing plates are used that are not on the list of printing plates recommended by HEIDELBERG, the instructions from the printing plate manufacturer must be obtained and heeded.

The setting values given in the reference list must never be exceeded, otherwise excessive burn-off may occur.



### CAUTION

#### Health hazard from burn-off

When working on the suction device (changing filters, replacing hoses), there is a health hazard from skin contact with or inhalation of burn-off.

- Wear protective gloves and a dust mask.

One set of gloves and a dust mask are contained in the spare filter set. Clean the casing after removing the filter mat.

Procedure:

- Absorb the burn-off with a cloth moistened with water. Use a cloth moistened with isopropanol for burn-off containing silicone.
- If a suitable vacuum cleaner (industrial vacuum cleaner at least class L) is available, then use it for cleaning.

## Before you start ...

- Sweeping without dust-binding measures (e.g., moistening) or blowing off dust deposits in plants or from the filters is prohibited.
- Dispose of used filters, gloves, sponges, and rags, which are soiled with the product, tightly sealed in a waste container with a lid (treat like paint waste; in the EU region according to waste code 150202).

Likewise, dispose of used hoses and adapters between the laser module and filter casing as *general commercial waste* if you have removed a suction device. If you are not sure about disposal procedures, contact your local waste disposal company for details.

Order number	Material (box of 50 pieces)
00.760.1461/	Disposable gloves size S
00.760.0477/	Disposable gloves size M
00.760.0478/	Disposable gloves size L
00.760.0479/	Disposable gloves size XL

Order number	Material
00.760.1341/	3M dust mask type FFP2 with exhalation valve

Before you start ...

## Service and Maintenance

Servicing may be done solely by persons who are authorized by HEIDELBERG to do so.

The relevant accident prevention regulations must be observed at all times.



### WARNING

#### **Risk of injury from improper handling**

Never remove covers or any other parts of the casing except for the work described in the "Service and Maintenance" and "Troubleshooting" chapters. Keep exactly to the procedures laid down when doing this.

If you do not, the invisible laser beam may cause injuries to eyes and skin and/or you may suffer a fatal electric shock.



### WARNING

#### **Risk of injury from laser radiation**

You may be exposed to dangerous radiation by the invisible laser beams if you use operating or adjustment equipment other than those mentioned in this document or if you follow other working procedures.

When carrying out work as described in the customer documentation, the user must always adhere to the operating process stipulated. Protection from invisible laser radiation is ensured by covers and safety loops.

The use of laser protection glasses is not intended as correct operation eliminates the need for these.

## Safety Loop

For your safety, the Suprasetter is equipped with a safety loop. If the safety loop is interrupted, e.g. by removing the insertion table, all mechanical motions are stopped and the invisible laser beam is switched off in the exposure head.



**DANGER**

### **Risk of injury if safety system bypassed**

The safety loop must never be bridged as otherwise you are in danger of being injured by the invisible laser beam, of being crushed by moving parts or being fatally injured by an electric shock.

## Check of the safety loop

For the safety of the users, EN ISO 13849-1 requires that the safety function of the Suprasetters is checked at regular intervals.

### Automatic check of the safety loop

This regular check is triggered automatically after the following criteria:

- When switching on the Suprasetters
- When running certain error corrections
- When the machine is running after a period of 24 hours before the start of a new plate sequence and a brief waiting period.

During the startup, a window displays on the CTP User Interface, pointing out the check of the safety loop.

Before you start ...



**The regular check of the device safety loop compliant with EN ISO 13849-1 is now running.**

**An imaging job started beforehand will be continued after completion of the check.**

**Please stand by. This will take a few minutes.**

**This dialog will disappear after safety loop check.**



**Note:** During the check of the safety loop, it is not possible to image plates.

The window closes automatically as soon as the check is finished (this can take some minutes).

## Manual check of the safety loop

The user can run an early check of the safety loop at any time before the 24-hour time limit expires (see ["Timeframe", page 21](#)) if, for example, a suitable moment in production allows this.

### *Start check of safety loop*



The check of the safety loop starts after you click this button in the user interface and confirm again.





#### NOTICE

During the test no imaging jobs may be processed! In other words, no plates must be in the device and no jobs are waiting for processing. You must stop processing beforehand.

#### *Timeframe*

Info: (23h:03m)

This displays the interval until the next regular safety loop test.

## ESD Protective Measures for Prepress Systems and Operators

### Basics

Devices from Heidelberger Druckmaschinen AG are resistant to electrostatic discharges (within the limits of EN 55024:2016-05).

In order to protect devices and users from being unnecessarily exposed to such discharges, we have listed a few tips below that will help reduce the frequency and intensity of the discharges.

## Before you start ...

### Formation

In a prepress environment, this physical phenomenon occurs most frequently as a result of triboelectricity. In such cases, electrostatic charges are generated when bodies that have close contact are separated.

Examples:

- Walking across non-conductive (insulating) flooring (e.g. synthetic floor covering)
- Removing the slip sheet from the plate
- Getting up off a seat

The intensity of these charges is determined basically by the following parameters:

- Humidity
- Roughness of the material surface
- Pressure/space when in contact
- Conductivity of the materials

### Practical Tips

The following practical tips are to help reduce the number and intensity of electrostatic discharges when handling the devices:

- Install the devices in rooms that have conductive floor covering.
- Resistance to ground  $< 1 \times 10^9$  ohms (IEC/EN 61340-5). Synthetic carpeting does not comply with this requirement in the majority of cases. Pure concrete flooring generally has a low volume resistance. If you have non-conductive floor covering, the use of ESD mats placed on the operator side of the devices is recommended. These mats can be obtained from suppliers. However, in such a case, existing charges are only slowly reduced depending on the shoes that the personnel wear. For personal safety, the resistance of floor to ground should not fall below  $10^5$  ohms.

- The humidity at the installation site should not fall below 45 % relative humidity. High air humidity is a decisive factor in preventing the formation of electrostatic charges. For example, a relative humidity of 10 - 20 % will produce up to 35,000 V when crossing a carpet. This value drops to 1,500 V with a relative air humidity of 65 - 90 %.
- Clothing where cotton material is >50 %.
- Conductive seating.
- ESD shoes that can be obtained from suppliers and are used on conductive flooring help further to reduce charges when walking across floor coverings.

## Standards/Sources

More details on this subject can be found in the following sources:

- IEC / EN 61340-5 (Protection of electronic devices from electrostatic phenomena - General Requirements)
- Electrostatic Discharge Association  
<https://www.esda.org/>
- Electrostatic Society of America  
<https://www.electrostatics.org>

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Do you want to improve your workflows?

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[www.heidelberg.com](http://www.heidelberg.com)



## Description of the Unit and its Functions

The Suprasetter is a high-speed, PostScript™-compatible, computer-to-plate imaging device.

It images thermal printing plates in daylight operation.

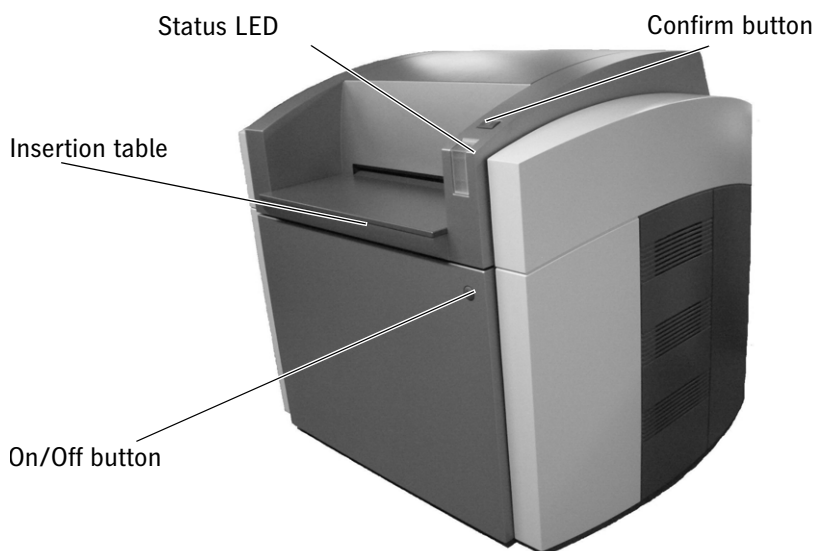
The Suprasetter receives screened data from the RIP for imaging onto printing plates. On a semi-automatic device, the plates are placed manually onto the insertion table or, in the case of a fully automatic device, loaded by the integrated Auto Plate Loader (APL). The Suprasetter automatically loads the plate onto the drum, images it, punches it (option) and, on a semi-automatic device, returns the imaged plate back to the insertion table or outputs it to a conveyor at the rear. On a fully automatic device, the imaged plate exits to a conveyor at the rear.

## Ambient Conditions

A color set must always be imaged without a break (within max. 20 minutes) if the Suprasetter is not located in an air-conditioned room. Register errors can occur if single separations are repeated at a later point in time.

## Suprasetter A75 as semi-automatic device

### Front view



## Rear view

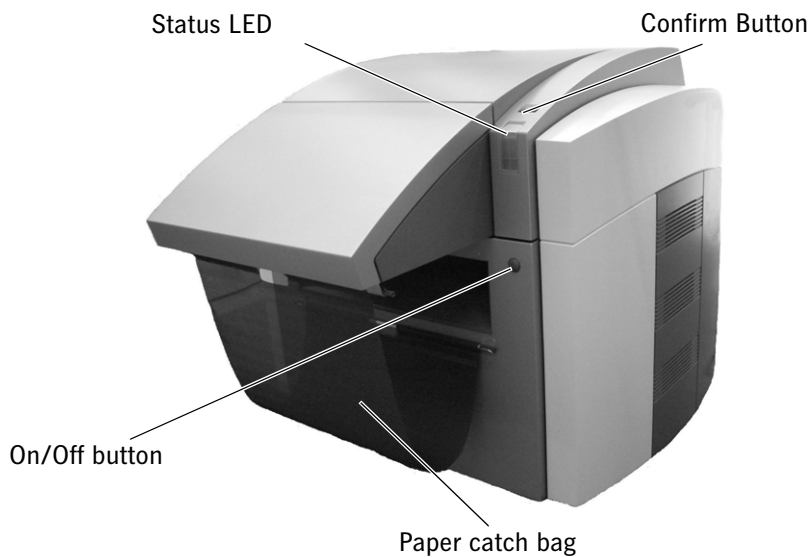
Power switch



Direct output or attachment point for transport bridge

## Suprasetter A75 as fully automatic device

### Front view





## Rear view

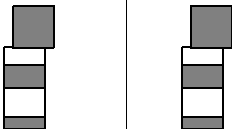
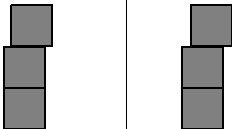
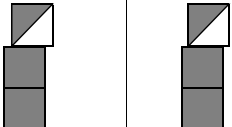
Power switch


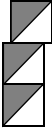

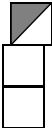
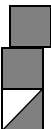

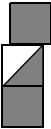
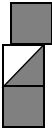


Direct output or attachment point for transport bridge

# Status LED

The following actions of the Suprasetter are indicated by the status panel:

Status LED		Action
Left half	Right half	
		<p>Startup:</p> <p>The Suprasetter starts the software and initializes the hardware.</p> <p>The status LEDS are like level indicators filling up from bottom to top, running parallel on both sides, until normal operation is reached.</p>
		<p>Stand-by:</p> <p>The Suprasetter is ready to image a plate but is not busy imaging at that moment.</p> <p>All LEDs light up.</p>
		<p>Normal operation:</p> <p>The Suprasetter is presently imaging a plate or otherwise busy, for example, it is unloading a plate to the online processor or loading a plate from the Autoloader.</p> <p>The top LEDs flash synchronously.</p>

		<p><b>Error:</b></p> <p>An error occurred that must be eliminated by the user.</p> <p>The LEDs on each level flash, alternating between left and right. A beep also indicates the error status.</p> <p>The user must go to the GUI of the Suprasetter to learn more details about the error.</p>
		<p><b>Waiting:</b></p> <p>The Suprasetter is waiting for something within it (e.g. until the operating temperature is reached) or is waiting for a connected device (online processor or the cassette loader).</p> <p>The top LEDs flash alternately. A brief beep is also heard if an operator intervention is required.</p>
		<p><b>Waiting for a plate:</b></p> <p>The user is prompted to insert the required plate.</p> <p>The bottom LEDs flash synchronously. A brief beep is also heard.</p>
		<p><b>Plate ready to be removed:</b></p> <p>You will hear a beep approx. 3 seconds before an imaged plate appears. In addition, the middle LEDs flash synchronously.</p> <p>When the plate is output, you will hear a brief beep again, indicating that the plate can now be removed.</p>

## Introduction

## Power Switch

You can disconnect the Suprasetter fully from the power supply with the power switch, for example, for maintenance work. You can switch on the Suprasetter only when the power switch is set to 'I'.

## On/Off Button

The On/Off button allows you to:

- switch on the Suprasetter, see [section "Switching on the Suprasetter", page 39](#).
- switch off the Suprasetter, see [section "Switching off the Suprasetter", page 42](#).
- switch off the beep that sounds, for example, after a malfunction occurs.

## Confirm Button

The confirm button lets you inform Suprasetter A75 that an action requested by Suprasetter A75 was performed, e.g. loading a plate. The lamp in the confirm button indicates whether the confirm button is enabled or disabled.

## Notes on the Use of Plates

Only plates that are qualified and approved by HEIDELBERG may be used in the Suprasetter.

Similarly, only slip sheets that are also qualified and approved may be used in the Suprasetter.

The use of unapproved plates and slip sheets can result in malfunctions in the Suprasetter.

If the Suprasetter is equipped with a suction device, then this must be activated when using ablative printing plates. Activation of the suction device is also recommended for non-ablative plates.



**Note:** The activation procedure for the suction device described in the online help of the CTP user interface.

## Punch Systems

As an option, you can equip your Suprasetter with different punch systems. The punches are located within the Suprasetter. They punch the plate after imaging before the plate is unloaded.

<b>Device</b>	<b>Max. number of punch systems</b>	<b>Max. number of punches per system</b>
Suprasetter A75	2	2

The following punch gaps are possible:

- 220 mm gap for QM 46
- 425 mm gap for GTO and SM 52/75
- 550 mm gap for Komori

## Transport of the Suprasetter

The Suprasetter is to be transported solely by companies that are authorized by HEIDELBERG to do so. Transport may be done only by qualified persons. The appropriate transport regulations must be observed during transport.

## Installation of the Suprasetter

The Suprasetter may only be installed by authorized service personnel. The ambient conditions must be observed.

Because the installation site must have clean conditions, the Suprasetter may not be operated in sites where paper is being printed or paper finishing devices are running.

The floor at the installation site must be even and firm.

Make sure that the device is installed at a sufficient distance from walls and other objects to ensure adequate ventilation and proper servicing.

(for minimum distances, see the drawings in the installation instructions)

The Suprasetter should not be installed near air-conditioning equipment and must be protected from humidity and direct sunlight.



**Note:** Initial installation is performed by service personnel. This includes lifting the Suprasetter off the pallet and removing the transport safeguards.

# Automatic Cutouts

The automatic cutouts are located behind the rear panel in the lower part of the Suprasetter. When an automatic cutout is triggered, please proceed as described in the [section "Switching on an Automatic Cutout", page 74](#). Repairs may be done only by service personnel.

## Selecting the User Interface Language

1. Click the "Change to Device" button.
2. Select "Options" in the vertical menu bar.
3. Select the "Miscellaneous" dialog tab.
4. Select the language you want in "Language".
5. Click "Apply". The user interface switches over to the selected language.



## Power-on and Power-off Rules with a Linux Operating System

The workstation (PC) of every Suprasetter with a Linux operating system must be powered on in order for the device to start up. The software of the Suprasetter is on the PC and is sent to the Suprasetter during the boot phase. For that reason, the Suprasetter cannot run without a PC.

It is mandatory to follow the set order for power-on and power-off. If this set order is not observed, unforeseeable errors and issues may occur in the communication between the devices that can be remedied only by a power-on and power-off of the Suprasetter in the correct order as described below.

### Power-on order

1. Switch on the workstation (PC), log into the Prinect account and start the CTP user interface.
2. Wait until the CTP user interface has finished its startup routine
3. Switch on the Suprasetter.

### Power-off order

1. Switch off the Suprasetter by means of the CTP user interface or with the push button on the Suprasetter.
2. Wait until the Suprasetter is fully switched off.
3. Switch off the workstation (PC).

## Operation



**Note:** If you need the workstation (PC) without the Suprasetter (e.g. for a job transfer), it is advisable to restart the PC before starting the Suprasetter. The Suprasetter must be in an off-state when you restart the workstation (PC).

The workstation (PC) must remain powered on in the time switch mode of the Suprasetter. It is advisable to restart the PC before the time switch mode. The Suprasetter must be in an off-state when you restart the workstation (PC).

### Workstation (PC) restart

The Suprasetter must be in an off-state when you restart the workstation (PC).

# Switching on the Suprasetter

## Manual Startup



**Prerequisite:** There is no printing plate on the insertion table.

Operation:

1. Set the power switch to 'I'.

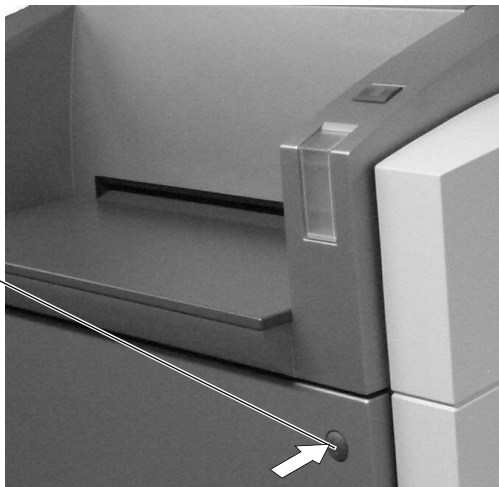
Power switch



2. Press the On/Off button on the Suprasetter as far down as it will go before releasing it.

## Operation

On/Off button



This switches on the Suprasetter, but it needs approx. another 15 minutes (or longer depending on the temperature at the installation site) to reach their operating temperature.

Apart from inserting and removing the printing plates, all other operation is done at the workstation.

## Automatic Startup



**Note:** When switched on, the Suprasetter needs approx. 15 minutes (or longer depending on the temperature at the installation site) to reach its operating temperature. For that reason, it has an automatic startup mechanism that can be used to switch on the Suprasetter at defined periods, for example, a half an hour before shift work starts. The startup time is set at the workstation.



**Prerequisite:**

- The power switch of the Suprasetter is set to 'I'.
- The Suprasetter GUI is running.

**Operation:**

1. Click the "Device" button in the Suprasetter GUI.
2. Click "Configuration" in the vertical menu bar.
3. Select the "Timer" tab.
4. Select "Switch on Timer".
5. Set the startup cycle you want in "Schedule" in the "Settings" box.
6. Set the switch-on time you want in "Start Time" in the "Settings" box.



**Note:** If you selected "Once" in "Schedule", you can also set the startup day in addition to the start time in "Schedule Once".

7. Click "Apply". The startup time is saved and the Suprasetter will switch itself on at this time.

# Switching off the Suprasetter



### NOTICE

The required ambient conditions (see Technical Data chapter) must be observed for at least 12 hours after power-off so that the Suprasetter is not damaged by condensation.

There are two ways to switch off the Suprasetter:

- Shutdown using the user interface on the workstation.
- Shutdown with the On/Off button on the Suprasetter.



### NOTICE

At all times keep to the shutdown order described here. The Suprasetter can be damaged on the inside if you switch off the Suprasetter directly with the power switch.

## Shutdown using the User Interface on the Workstation

1. Click the "Switch off recorder" button in the Suprasetter GUI.  
The "Confirmation" window displays.
2. Click "Yes" in the "Confirmation" window.  
The Suprasetter shuts down.

3. Set the power switch to '0' for cleaning and servicing.
4. Switch off the workstation (PC).

### Shutdown with the On/Off button on the Suprasetter.

1. Press and hold the On/Off button (approx. 3 seconds) until you hear a signal.
2. Release the On/Off button.
3. Press the On/Off button a second time.

The Suprasetter shuts down.

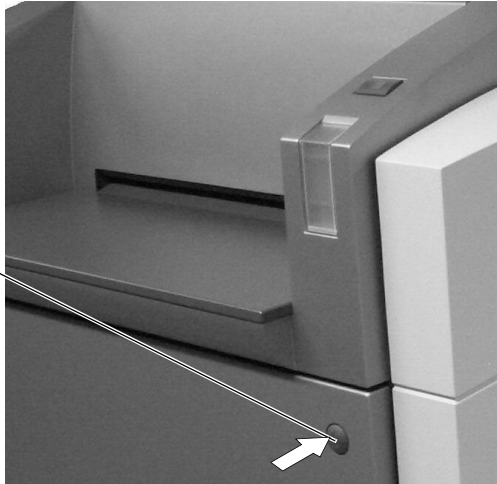


**Note:** You must repeat the shutdown procedure from the start if the beep sounds for a second time before you have done step 3.

4. Set the power switch to '0' for cleaning and servicing.

## Operation

On/Off button



**Note:** The power switch must be at 'I' if the Suprasetter is to be started automatically, e.g. before shift work starts.

### Quick Shutdown with the On/Off button on the Suprasetter.

A quick shutdown is not possible after you trigger the shutdown sequence if the recorder is currently running an error correction (can take several minutes). However, you can force a quick shutdown by triggering the shutdown sequence again.

1. Press and hold down the On/Off button (approx. 3 seconds) until you hear a beep.
2. Release the On/Off button.
3. Press the On/Off button a second time.



Now repeat shutdown:

4. Press and hold down the On/Off button (approx. 3 seconds) until you hear a beep.
5. Release the On/Off button.
6. Press the On/Off button a second time.

The Suprasetter interrupts error correction and shuts down.



**Note:** In this case as well, you must repeat the shutdown procedure if the beep sounds for a second time before you have done step 3 or 6.

## Shutdown in an Emergency

In an emergency you can switch off the Suprasetter with the power switch. See also ["Power Switch with Emergency Cutoff Function", page 14](#).

## Material Handling

Observe the following when handling printing plates:



### CAUTION

#### **Risk of injury from improper handling**

Plate edges can be sharp. Put on protective gloves. This will protect you from injury.

- Never touch the emulsion side of the printing plate with your bare hands. Finger prints will appear on the printing plate which can adversely affect the print quality.

## Operation

- The printing plates are very easily scratched. For that reason, it is essential to insert slip sheets when you place printing plates on top of each other so that they cannot scrape against each other.
- Do not load plates that are obviously damaged to the Suprasetter. This can cause malfunctions in the Suprasetter.

## Material storage

For the storage of printing plates

- prior to imaging,
- after imaging and
- after development,

various requirements apply which can be obtained from the manufacturer of the printing plates.

## Loading a Plate (Semi-automatic Device)



**Note:** You can load a plate to the Suprasetter only if the lower part of the status panel is flashing and the load button is lit. The insertion rollers first open for you to load a printing plate. This is accompanied by a brief beep.

Load button is lit

Lower part is flashing



### CAUTION

#### **Risk of injury from improper handling**

Plate edges can be sharp. Put on protective gloves. This will protect you from injury.

1. Put on protective gloves.
2. Take the requested printing plate from the packaging.
3. Remove all slip sheets or packaging materials which may stick to the plate.

## Operation



### NOTICE

Carefully remove all slip sheets or packaging materials from both sides of the printing plate before loading it into the Suprasetter. The laser beam can ignite the material and cause a fire in the Suprasetter.

4. Dust the plate with a lint-free cloth.

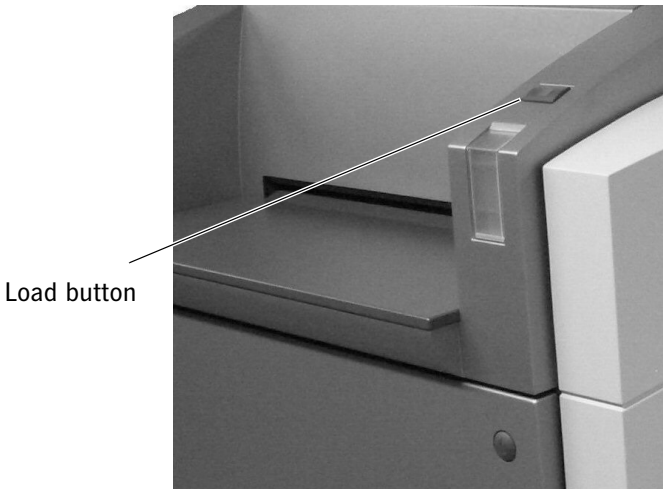


**Note:** Generally, in the "Transit Mode" (i.e. plates go directly from the Suprasetter to the online processor), you should load punched plates to the Suprasetter with the non-punched side inserted first.

5. Center the printing plate ( $\pm 30$  mm) on the insertion table with the emulsion side facing up.



6. Push the plate into the Suprasetter until the rear edge of the plate lies flush with the scale on the insertion table. The rear edge of the plate must be centered and parallel to the table scale.
7. Press the load button. The plate is loaded to the Suprasetter. This is accompanied by a brief beep.



**i** **Note:** The Suprasetter loads the plate and checks at what angle it is. The plate is immediately transported back to the insertion table if it was too askew when inserted. Three beeps are heard and the load buttons flash. You must repeat loading with the plate straightened.

**i** **Note:** The Suprasetter checks the length of the plate if it was inserted at a straight angle. The plate is immediately transported back to the insertion table if the wrong length was detected. Three beeps are heard and the load buttons flash. You must remove the plate from the Suprasetter and repeat loading using a plate with the correct length.

# Removing a Plate (Semi-automatic Device)

After imaging, the printing plate will be ready for unloading above the insertion table.



**Note:** You will hear a beep approx. 3 seconds before an imaged plate appears. In addition, the middle LEDs flash synchronously. When the plate is output, you will hear a brief beep again, indicating that the plate can now be removed.



### CAUTION

#### **Risk of injury from improper handling**

Plate edges can be sharp. Put on protective gloves. This will protect you from injury.

1. Put on protective gloves.
2. Remove the printing plate from the Suprasetter for further processing.

# Loading Plates on the Dual Top Loader

A "Dual Top Loader (DTL)" is a fully automatic device that allows two plate sizes.

The fully automatic device for two plate sizes has a built-in insertion table and a removable tray for holding the plates. The insertion table can hold plates ranging from 240 mm x 240 mm to 760 mm x 676 mm. The tray can hold plates ranging from 240 mm x 240 mm to 530 mm x 505 mm.



**Note:** You can load only one size to the tray. You need another tray for every other size you use.

The insertion table and the tray can each hold 50 plates with a thickness of 300 µm or 100 plates with a thickness of 150 µm. If a tray is not used, the insertion table can hold up to 100 plates with a thickness of 300 µm or up to 200 plates with a thickness of 150 µm.

The actual loading capacity depends on the plate material used (plate thickness, thickness of the interleaving paper, waviness of the interleaving paper).



**Note:** The insertion table and tray may not be loaded more than 2 mm below the upper edge of the format controls.

## Loading Plates to the Insertion Table



### NOTICE

The cover is not locked, it is simply closed. However, it is monitored in its closed position. The safety loop is interrupted if the cover is opened before the computer allows it and all hazardous motions are stopped. As a result, imaging can abort and you can have incorrectly imaged plates. After the cover is closed, the Suprasetter must run through a new, time-consuming initialization routine!

## Operation

1. Click the "Unlock" button in the "Input > Material Wizard" tab of the Suprasetter GUI.



**i Note:** Open the cover of the Suprasetter only when you are prompted to insert new plates. The lower status LEDs will flash and a brief beep will be heard when the Suprasetter is ready for new plates or a tray to be inserted.

2. Open the cover of the Suprasetter.







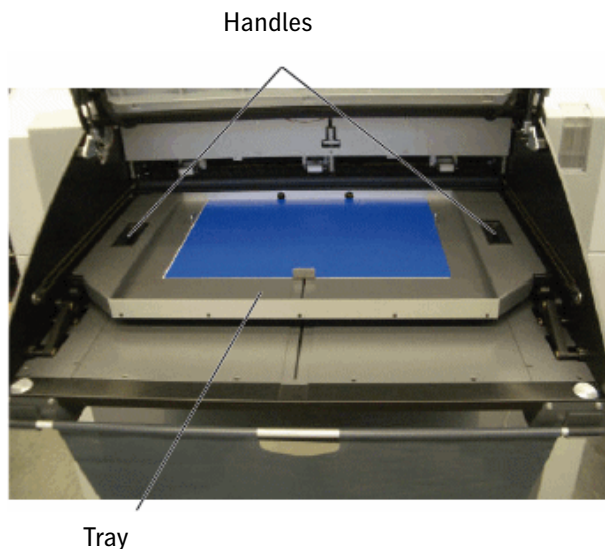
### CAUTION

#### **Risk of injury from improper handling**

The following loads should not be exceeded: women 15 kg, men 25 kg.

Example: 50 plates measuring 670 mm x 525 mm x 0.3 mm weigh approx. 22 kg.

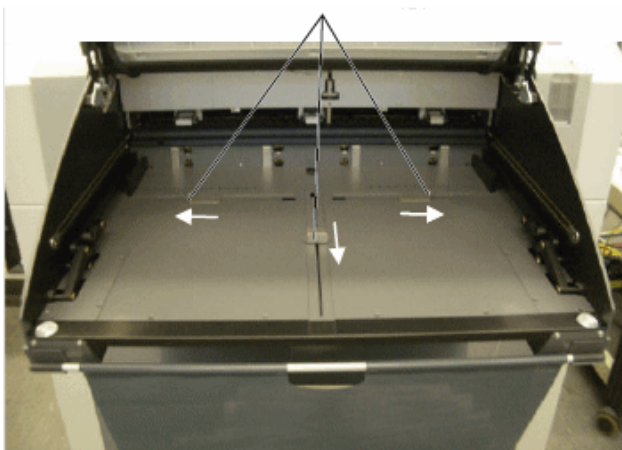
3. Take the tray out of the Suprasetter.



4. Push the format controls far enough to the sides and to the front so that you can place the plates between them.

## Operation

Format controls



### CAUTION

#### **Risk of injury from improper handling**

Plate edges can be sharp. Put on protective gloves. This will protect you from injury.

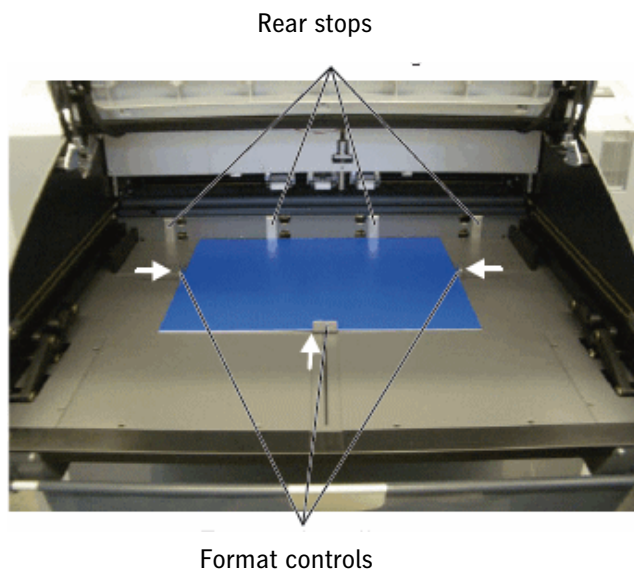
5. Put on protective gloves.
6. Take the printing plates from the packaging.



**Note:** There must always be a slip sheet between each plate!

7. Center the plates on the insertion table with the emulsion side facing up.

8. Push the format controls up against the plates so that the plates are centered and at the rear stop.



9. Insert the tray back into the Supraformer and push it to the back as far it will go.

## Operation

10. Close the cover of the Suprasetter.



11. Click the "Lock" button in the "Input > Material Wizard" tab of the Suprasetter GUI. The cover of the Suprasetter is now monitored again.



## Loading the Plates to the Tray of the Suprasetters



### NOTICE

The cover is not locked, it is simply closed. However, it is monitored in its closed position. The safety loop is interrupted if the cover is opened before the computer allows it and all hazardous motions are stopped. As a result, imaging can abort and you can have incorrectly imaged plates. After the cover is closed, the Suprasetter must run through a new, time-consuming initialization routine!

1. Click the "Unlock" button in the "Input > Material Wizard" tab of the Suprasetter GUI.



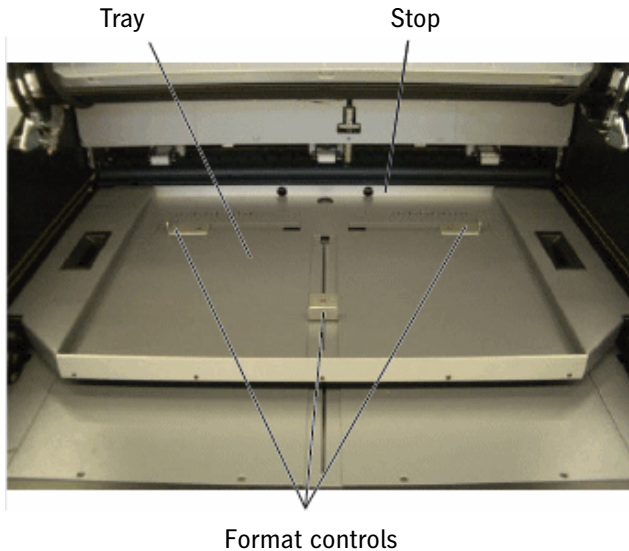
**Note:** Open the cover of the Suprasetter only when you are prompted to insert new plates. The lower status LEDs will flash and a brief beep will be heard when the Suprasetter is ready for new plates or a tray to be inserted.

## Operation

2. Open the cover of the Suprasetter.



3. Push the format controls far enough to the sides and to the front so that you can place the plates between them.



### CAUTION

#### **Risk of injury from improper handling**

The following loads should not be exceeded: women 15 kg, men 25 kg.

Example: 50 plates measuring 670 mm x 525 mm x 0.3 mm weigh approx. 22 kg.

## Operation



### CAUTION

#### **Risk of injury from improper handling**

Plate edges can be sharp. Put on protective gloves. This will protect you from injury.

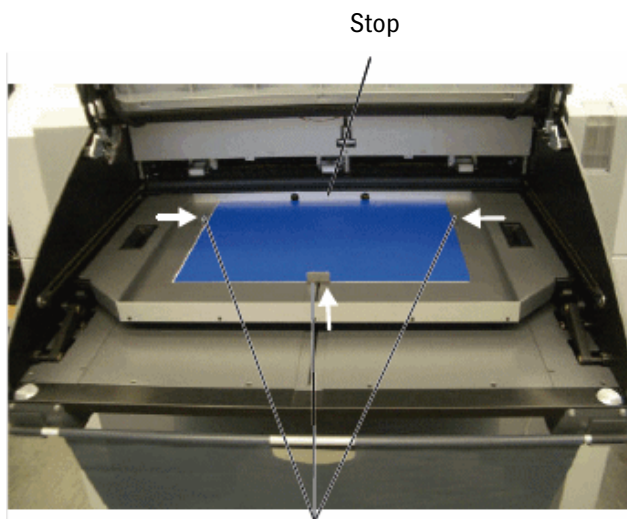
4. Put on protective gloves.
5. Take the printing plates from the packaging.



**Note:** There must always be a slip sheet between each plate!

6. Place the plates into the cassette, center them with the emulsion side facing up.
7. Push the format controls up against the plates so that the plates are centered and at the rear stop.





Format controls

8. Close the cover of the Suprasetter.

# Inserting the Tray into the Suprasetter



### NOTICE

The cover is not locked, it is simply closed. However, it is monitored in its closed position. The safety loop is interrupted if the cover is opened before the computer allows it and all hazardous motions are stopped. As a result, imaging can abort and you can have incorrectly imaged plates. After the cover is closed, the Suprasetter must run through a new, time-consuming initialization routine!

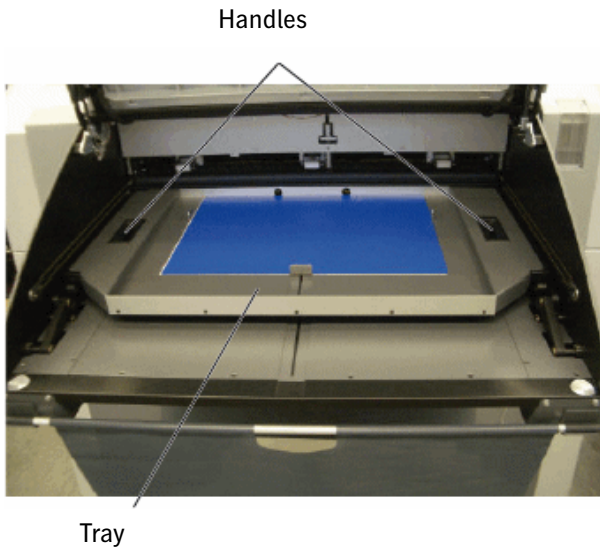
1. Click the "Unlock" button in the "Input > Material Wizard" tab of the Suprasetter GUI.



**Note:** Open the cover of the Suprasetter only when you are prompted to insert new plates. The lower status LEDs will flash and a brief beep will be heard when the Suprasetter is ready for new plates or a tray to be inserted.

2. Open the cover of the Suprasetter.

3. Insert the tray into the Suprasetter and push it to the back as far it will go.



4. Close the cover of the Suprasetter.



**Note:** The tray can be filled without having to remove it again.

### Operation with Insertion Table Only (without a Tray)

The Suprasetter can run without a tray, for example, to be able to image plates non-stop during a night shift. It is then possible to place as many as 100 plates with a thickness of 300  $\mu\text{m}$  or 200 plates with a thickness of 150  $\mu\text{m}$  onto the insertion table. For this to be done, you only have to replace the format controls by format controls with a longer side length. Proceed as follows.

## Operation



### NOTICE

The cover is not locked, it is simply closed. However, it is monitored in its closed position. The safety loop is interrupted if the cover is opened before the computer allows it and all hazardous motions are stopped. As a result, imaging can abort and you can have incorrectly imaged plates. After the cover is closed, the Suprasetter must run through a new, time-consuming initialization routine!

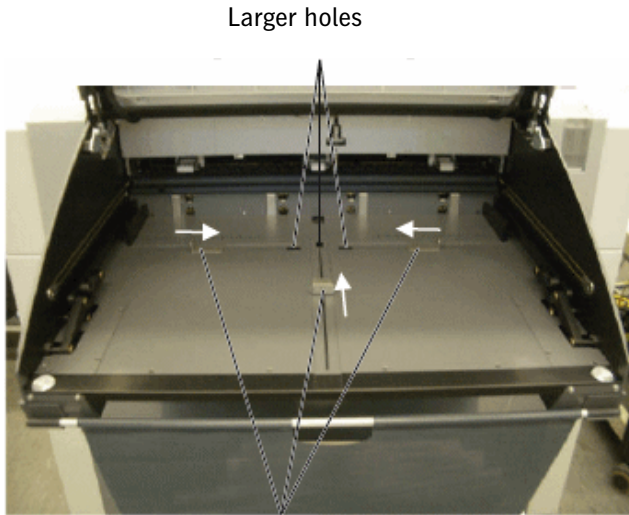
1. Click the "Unlock" button in the "Input > Material Wizard" tab of the Suprasetter GUI.



**Note:** Open the cover of the Suprasetter only when you are prompted to insert new plates. The lower status LEDs will flash and a brief beep will be heard when the Suprasetter is ready for new plates or a tray to be inserted.

2. Take the tray out of the Suprasetter.

3. Remove the format controls. To do this, push them towards the middle until you can remove them upwards at the larger holes.

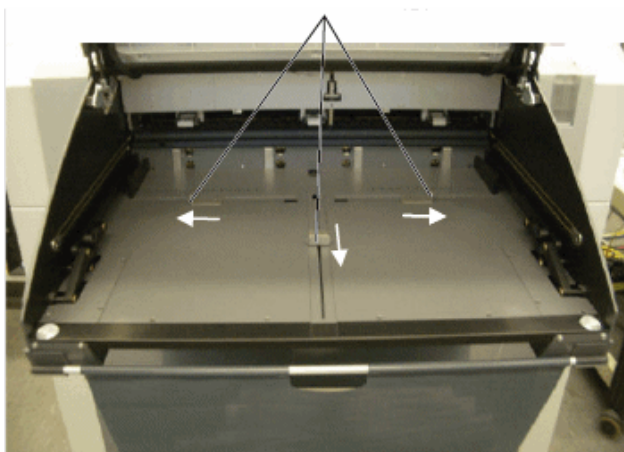


Format controls

4. Insert the format controls with the longer side length at the larger holes and push them to the sides until you can load the plates with the size you want.

## Operation

Format controls



### CAUTION

#### **Risk of injury from improper handling**

Plate edges can be sharp. Put on protective gloves. This will protect you from injury.

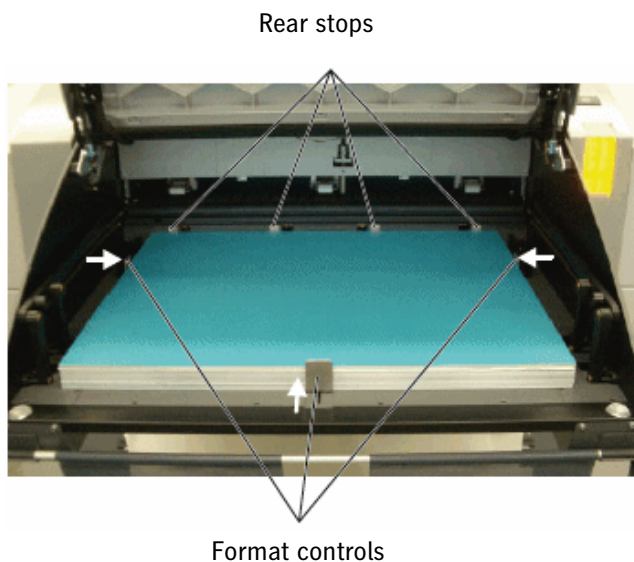
5. Put on protective gloves.
6. Take the printing plates from the packaging.



**Note:** There must always be a slip sheet between each plate!

7. Center the plates on the insertion table with the emulsion side facing up.

8. Push the format controls up against the plates so that the plates are centered and at the rear stop.



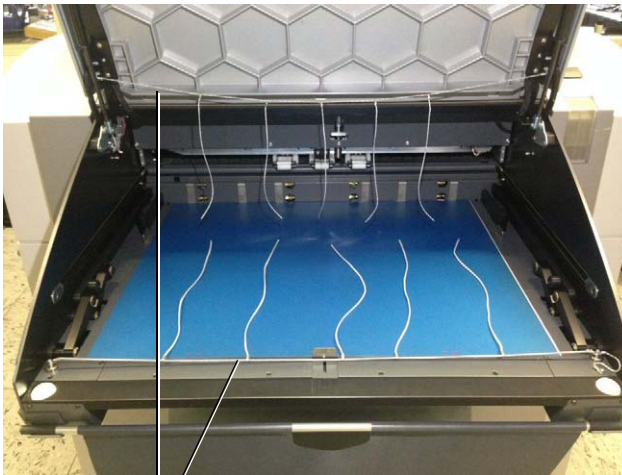
9. Close the cover of the Suprasetter.

## Operation

### ESD Kit for Suprasetter with DTL (Option)

In the case of unfavorable ambient conditions, the plate stacks can be subject to a high electrostatic charge. To avoid this, you have the option of purchasing an ESD kit.

This kit comprises an ESD cord with leads.

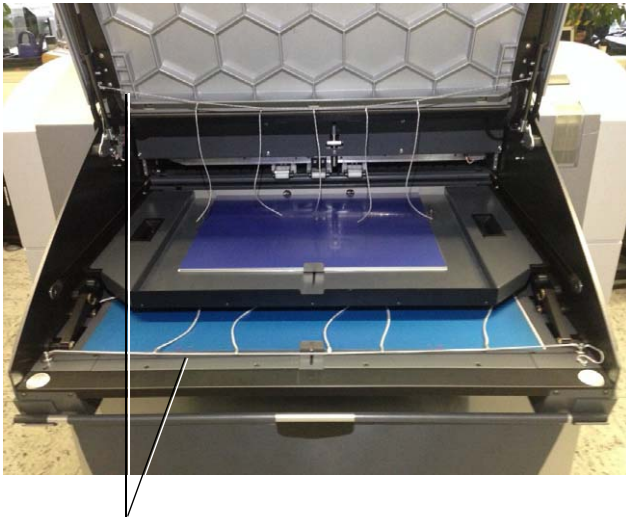


ESD cord with leads





**Note:** Make sure that the ESD leads are positioned correctly. After loading, these should lie on the plate stack and not be twisted.



ESD cord with leads

## Operation

For simple loading of the lower plate tray, the elastic ESD cord can be removed on the left and attached on the right.



## Loading Plates Directly to the Online Processor

Before you load a plate directly to the online processor, make sure that no plate is currently exiting the Suprasetter onto the conveyor. The plates could pile up on top of each other.

# Troubleshooting

In the case of a malfunction, you will hear a beep from the Suprasetter, and the GUI displays an error message.

1. Click the "Recorder Error Messages" button. The following help information is displayed:



- Error ID
  - Description of error
  - Error remedy
2. Follow the instructions to eliminate the error.
  3. Click the "Correct ERROR" button.

This action returns the Suprasetter to its initial status and the function which was interrupted by the error can be repeated.



## NOTICE

If you hear unusual noises during an error correction that you run following an incorrectly loaded plate to the drum, do not switch off the Suprasetter. Wait until the error correction is finished. Canceling the error correction causes the Suprasetter to be set to an undefined state that can only be eliminated by the service support.



### NOTICE

The loader turns red in the 3D display if an error occurs in the loader. If imaging is also running parallel to that, you can run an error correction only after imaging is finished and the Suprasetter has switched to an error state. If you run the error correction without waiting, imaging will be aborted, and you may have to restart the system because of the undefined states that result from such an action.

## Measures after Inadvertent Opening of the Cover with Dual Top Loaders (DTL)



**Note:** Please remember the following items if you have a Suprasetter with a DTL:

Normally, before the cover is released, the elevating mechanism of the tray on the DTL is always lowered!

If you open the cover and it is not released on the user interface, the elevating mechanism stops at its current position and an error message informs you that the safety loop is open. See also ["Safety Loop", page 19](#).

Proceed as follows to remedy the error:

## Procedure

1. Take the tray out of the Suprasetter.
2. Close the cover.
3. Run an error correction (troubleshooting).

4. When the Suprasetter is ready for operation again, you can insert the tray again if the cover was released on the user interface. See also ["Inserting the Tray into the Suprasetter", page 62.](#)



**Note:** Open the cover of the Suprasetter only when you are prompted to insert new plates.

## Removing Slip Sheets or Plates when the Suprasetter has a Fault

You must manually remove slip sheets and plates from the Suprasetter that cannot be conveyed to the imaging drum because of a malfunction of the Auto Plate Loader. Proceed as follows:

1. Open the cover of the Suprasetter.



### CAUTION

#### **Risk of injury from improper handling**

Plate edges can be sharp. Put on protective gloves. This will protect you from injury.

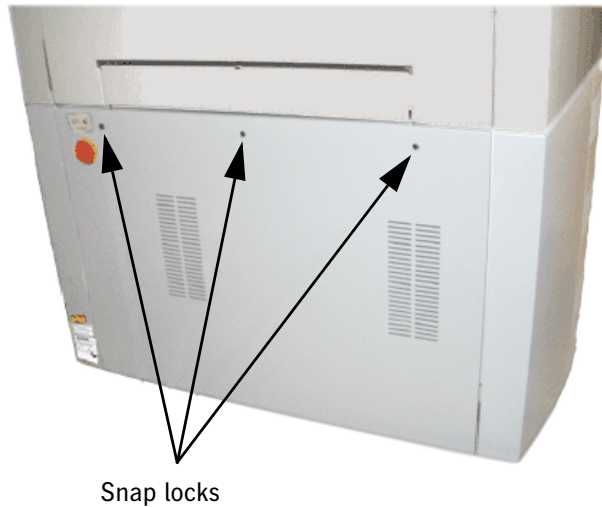
2. Remove the slip sheet or plate that was not conveyed out of the Suprasetter.
3. Close the cover of the Suprasetter.
4. Click the "Correct ERROR" button. This action returns the Suprasetter to its initial status and the function which was interrupted by the error can be repeated.

## Operation

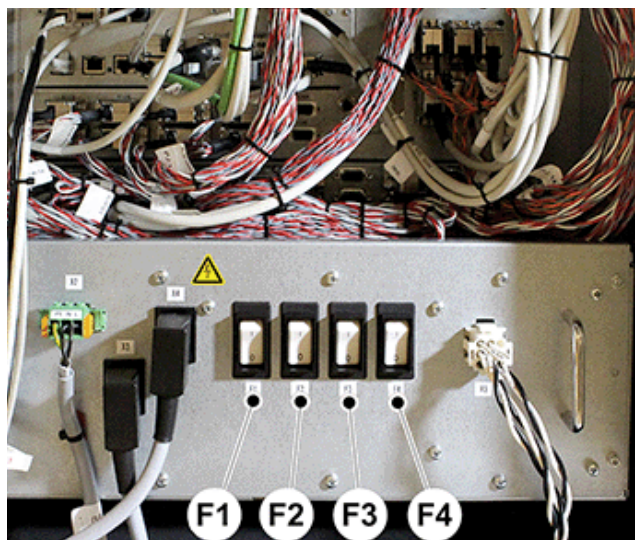
### Switching on an Automatic Cutout

You must switch on an automatic cutout again after you eliminated the malfunction that triggered this cutout. Proceed as follows:

1. Turn the snap locks on the rear panel of the Suprasetter 90° to the left. Use a coin to do this.



2. Remove the rear panel.
3. Switch on the automatic cutout that was triggered.



F1	Processor board and safety loop
F2	Laser system, actuators, sensors, swivel table, feeder, chiller and vacuum pumps
F3	Lexium drive for the drum motor
F4	Suction device

4. Please inform your service support if you cannot switch on an automatic cutout again so that this fault can be remedied.
5. Fit the rear panel back on again and turn the snap locks 90° to the right.
6. Click the "Correct ERROR" button. This action returns the Suprasetter to its initial status and you can repeat the function which was interrupted by the fault.





# General

Maintenance work to be done by the user is described in this chapter. The Suprasetter does not contain any parts within the housing which require servicing by the user.



### WARNING

#### **Risk of fatal injury from unauthorized opening of the device**

Unauthorized opening or improper repairs can lead to considerable danger for the user.

Service work may only be performed by authorized personnel specialized in this field. The relevant accident prevention regulations must be observed at all times.

Failure to observe the safety regulations may result in the loss of accident insurance!

In addition to the maintenance work described in this chapter that is to be performed by the user, further maintenance work, also during warranty time, is to be performed by the service support. This maintenance work is not part of warranty. Messages in the Suprasetter user interface will draw your attention to such servicing. Please contact your local service technicians.

## Maintenance by the User

The table below lists the maintenance work to be done by the user and the intervals at which maintenance is required.

Maintenance	Interval
Cleaning the cleaning roller on the imaging drum	1000 printing plates
Removing the Punch Waste (only if an optional punch is built in)	2000 punch actions
Replacing the filter kit on the suction device (option)	25000 m <sup>2</sup> plate material

## Cleaning the Suprasetter



### WARNING

#### **Danger! High Voltage!**

If cleaning the Suprasetter involves the use of liquids, disconnect it from the power supply beforehand.

Do this by pulling out the power connector on the service tap or by switching it off with the power switch.

The surfaces of the Suprasetter can be cleaned using a dry cloth.  
If the device is very dirty, it can be cleaned with a damp cloth which has been dipped in dish-washing liquid and well wrung.  
Make sure that no fluids get inside the Suprasetter and keep moisture away from the connection points on the rear of the Suprasetter.  
Do not use any abrasive cleaning agents or solvents.

## Cleaning the Cleaning Roller on the Imaging Drum

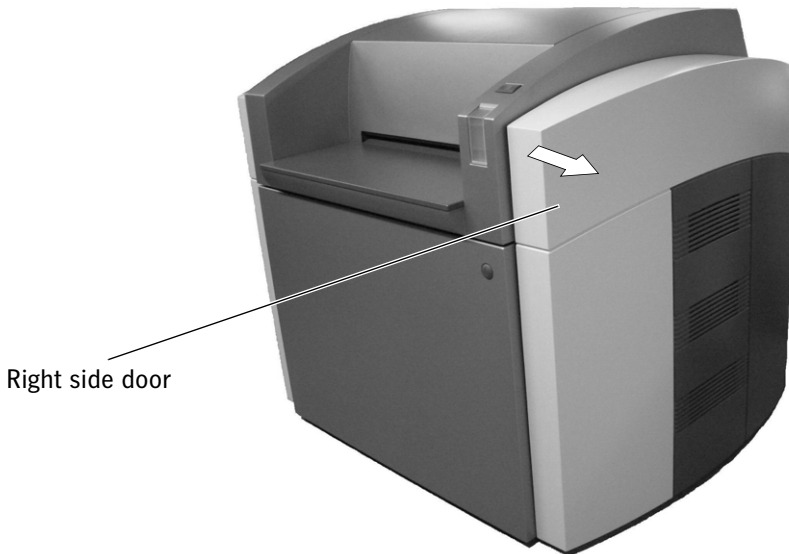
A message prompts the user to clean the cleaning rollers.

Cleaning cycle: Every 1000 plates

Cleaning agents for the cleaning roller on the imaging drum:

- Water with a little dish-washing liquid, sponge, sponge cloth, lint-free cloth.

1. Open the right side door.





### WARNING

#### Risk of injury if safety system bypassed

The key-operated switch that can be seen after the right side door is opened may be operated only by service personnel and not by the operator.

The key-operated switch bypasses the safety loop.

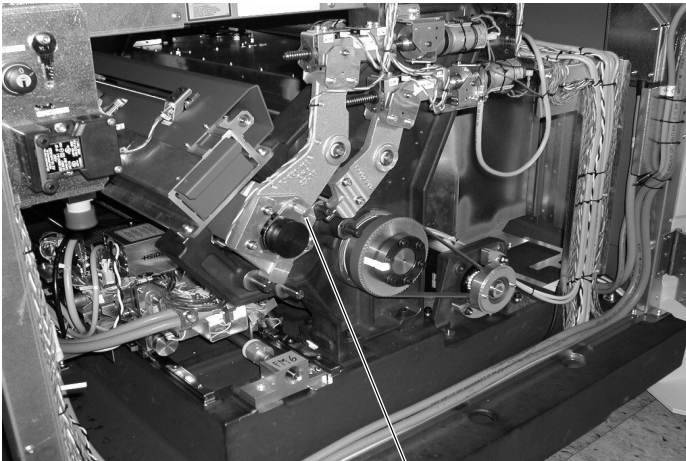
The following risks can occur:

- Hazard of being crushed by moving parts.
- Injury from electric shock.



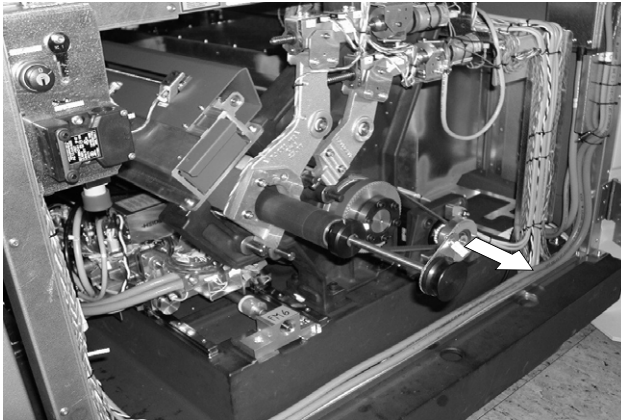
**Note:** The Suprasetter switches to an error state when you open the side door.

2. Loosen the screw on the bearing of the cleaning roller by turning it 90° in anti-clockwise direction.



Screw

3. Pull the cleaning roller out of the Suprasetter. Make sure that the roller does not become damaged when doing so.



4. Clean the cleaning roller with a damp sponge or sponge cloth.



### NOTICE

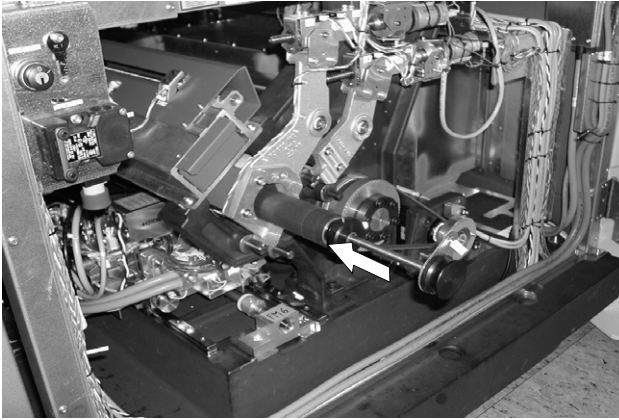
Do not use any abrasive or scratching cleaning agents or equipment.

Do not clean the cleaning roller with running water because rust may form on the bearings.

5. Dry the cleaning roller with a lint-free cloth.

## Service and Maintenance

6. Push the cleaning roller back into the Suprasetter. The positioning pins of the disks must go fully into the slits of the drum support.



7. Tighten the bearing of the cleaning roller by turning the screw 90°.
8. Close the right side door.
9. In the Suprasetter user interface, go to "Administration > Maintenance > Monitoring" and click the box in the "Cleaning Rollers" row in the "Maintenance Completed" column. The number of plates in the "Next Maintenance" column is reset to its initial value.
10. Click "Apply" and confirm the query with "Yes". The maintenance interval for cleaning the cleaning rollers starts from the beginning.
11. Run a troubleshooting routine to eliminate the error state of the Suprasetter, see ["Troubleshooting", page 71](#) for details.

## Removing the Punch Waste

If your Suprasetter has an optional punch, a message will request you at certain intervals to remove the punch waste. In such a case, proceed as follows:

Maintenance interval: 2000 punches

1. Open the right side door.



### WARNING

#### **Risk of injury if safety system bypassed**

The key-operated switch that can be seen after the right side door is opened may be operated only by service personnel and not by the operator.

The key-operated switch bypasses the safety loop.

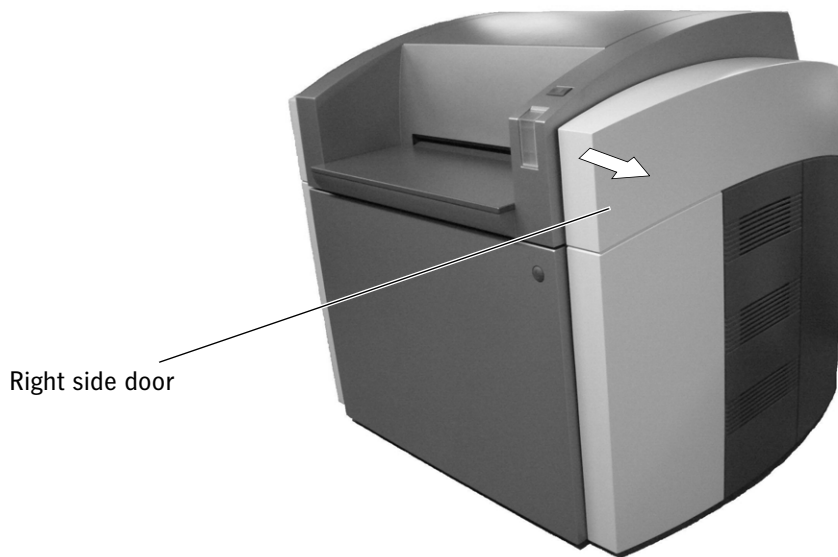
The following risks can occur:

- Hazard of being crushed by moving parts.
- Injury from electric shock.



**Note:** The Suprasetter switches to an error state when you open the side door.

## Service and Maintenance

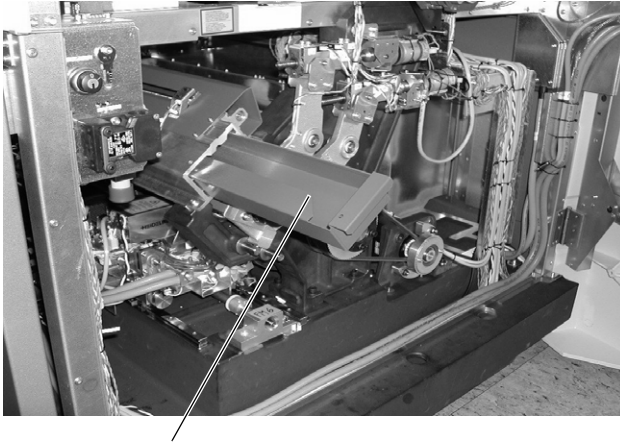


2. Remove the punch waste container from the Suprasetter and empty it.



**Note:** Punch waste may not be disposed of as household waste. Dispose of the punch waste together with any printing plates you no longer need at your local waste disposal company.





Punch waste container

3. Push the punch waste container back into the device as far as it will go.
4. Close the right side door.
5. In the Suprasetter user interface, go to "Administration > Maintenance > Monitoring" and click the box in the "Punch Waste" row in the "Maintenance Completed" column. The number of punches in the "Next Maintenance" column is reset to its initial value.
6. Click "Apply" and confirm the query with "Yes". The maintenance interval for removing the punch waste starts from the beginning.
7. Run a troubleshooting routine to eliminate the error state of the Suprasetter, see ["Troubleshooting", page 71](#) for details.

## Replacing the Filter Kit in the Suction Device

A message prompts the user to change the air filter in the suction device.

Maintenance interval: 25000 m<sup>2</sup> plate material

Order number of the filter kit: MV.053.171 /

The filter kit consists of a high efficiency submicron particulate air filter, a preliminary filter, disposable gloves and a FFP2 dust mask with exhalation valve.



**Note:** The manufacturers of printing plates recommended by HEIDELBERG state that application of their plates is harmless with regard to any pollutants. Obtain and heed the notes provided by the printing plate manufacturer if applicable. If printing plates are used that are not on the list of printing plates recommended by HEIDELBERG, the instructions from the printing plate manufacturer must be obtained and heeded.



### CAUTION

#### Health hazard from burn-off

When working on the suction device (changing filters, replacing hoses), there is a health hazard from skin contact with or inhalation of burn-off.

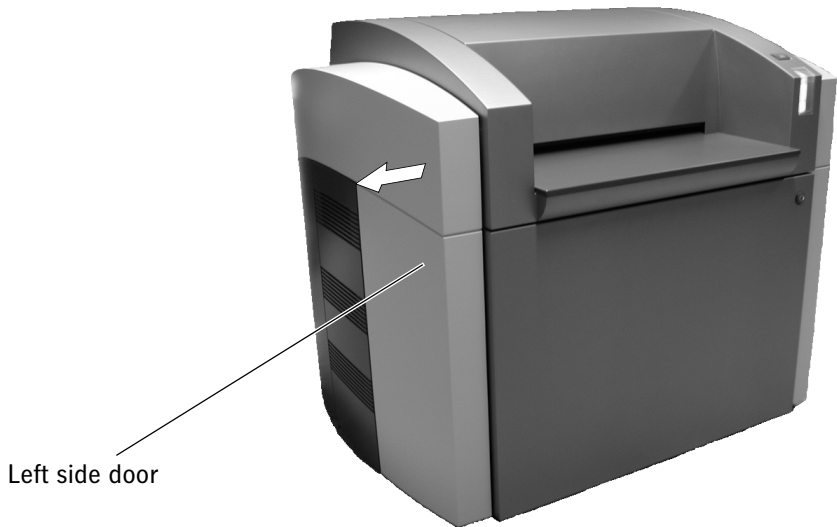
- Wear protective gloves and a dust mask.
- Observe the detailed safety notes in the "Safety Notes > [Working on the suction device, page 16](#)" chapter.

**i** **Note:** After removing the filters, the casing must be cleaned with a cloth moistened with water. Use a cloth moistened with isopropanol for burn-off containing silicone. If a suitable vacuum cleaner (industrial vacuum cleaner at least class L) is available, then use it for cleaning.

**i** **Note:** Place the used rags, filters, disposable gloves, dust mask, and vacuum cleaner bag in a plastic bag, tie the bag up and dispose of it as *general commercial waste*. If you are not sure about disposal procedures, contact your local waste disposal company for details.

1. Open the left side door.

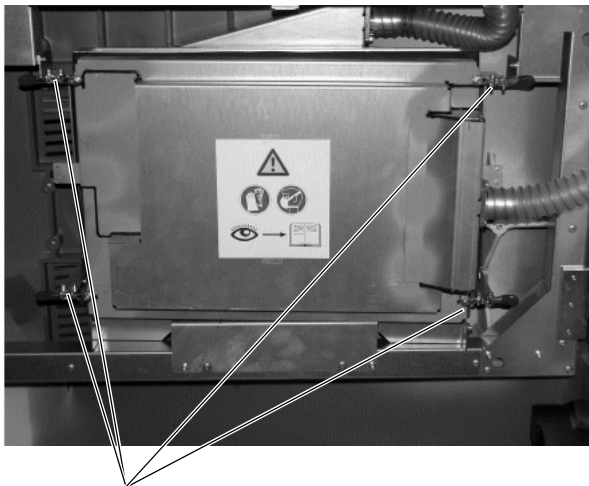
**i** **Note:** The Suprasetter switches to an error state when you open the side door.



2. Put on the disposable gloves because of the dirty filters and also the dust mask.

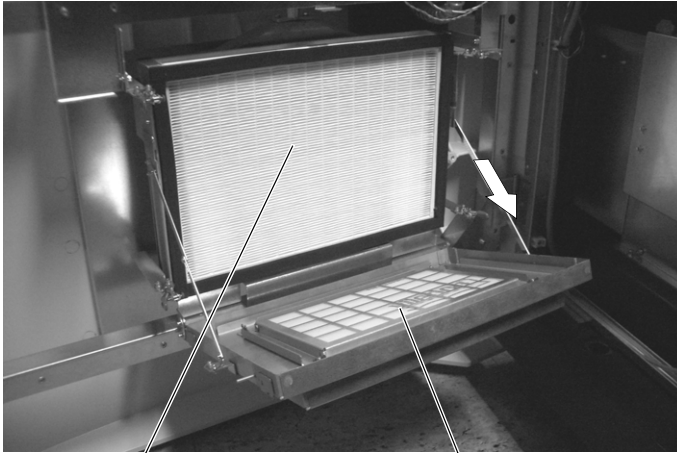
## Service and Maintenance

3. Loosen the four rocker arm locks and lower the casing cover.



Rocker arm locks

4. Remove the high-efficiency submicron particulate air filter from the filter casing and place it in a plastic bag.



High efficiency submicron  
particulate air filter

Preliminary filter with cover

5. Unscrew the four wing nuts from the cover and remove the washers as well.
6. Remove the cover above the preliminary filter.
7. Place the preliminary filter in the plastic bag as well.
8. Absorb the burn-off in the filter casing with a cloth moistened with water. Use a cloth moistened with isopropanol for burn-off containing silicone. If a suitable vacuum cleaner (industrial vacuum cleaner at least class L) is available, then use it for cleaning.
9. Put the used rags, vacuum cleaner bag, dust mask, and disposable gloves also into the plastic bag.
10. Tie up the plastic bag and dispose of it as *general commercial waste* in a waste container with a lid.



**Note:** Contact your local waste disposal company for more details about disposal procedures.

## Service and Maintenance

11. Insert the new high efficiency submicron particulate air filter into the filter casing. The side with the arrow must be on top and the arrow must point towards the inside of the door.
12. Place the new preliminary filter on the casing cover that you lowered.
13. Place the cover onto the setscrews over the preliminary filter.
14. Place the washers on top of the setscrews and tighten the cover with the wing nuts.
15. Fold the casing cover back up into place. Make sure that the casing cover is seated properly on the rubber seal.
16. Close the rocker arm locks.
17. Close the left side door.
18. In the SupraSetter user interface, go to "Administration > Maintenance > Monitoring" and click the box in the "Air Filter" row in the "Maintenance Completed" column. The number of hours in the "Next Maintenance" column is reset to its initial value.
19. Click "Apply" and confirm the query with "Yes". The maintenance interval for changing the air filter starts from the beginning.
20. Run a troubleshooting routine to eliminate the error state of the Supra-setter, see ["Troubleshooting", page 71](#) for details.

# Suprasetter A75

<b>Dimensions (mm)</b>		
Manual	W x D x H	1550 x 1218 x 1350
Semi-automatic device	W x D x H	1550 x 1871 x 1350
Fully automatic device	W x D x H	1550 x 2371 x 1350
<b>Output height Printing Plates</b>	Conveyor option	980 mm
	Stacker option	980 mm
<b>Weight</b>		
Manual/Semi-automatic device	approx. 800 kg	
Fully automatic device	approx. 860 kg	
<b>Power supply</b>	1~ 200–240 V +/-10 % +PE	
<b>Frequency</b>	50/60 Hz	
<b>Rated operational current</b>	max. 8 A, typically < 3.8 A Power save 1.5 A, standby 0.4 A	
<b>Power consumption</b>	< 1.1 kW, typically 750 W Power save 270 W, standby 4 W	
<b>Heat Radiation</b>	3900 kJ/h, typically 2700 kJ/h, stand-by: 14 kJ/h	
<b>Compressed air connection</b>	max. 8 bar / 120 PSI	dry, oil-free compressed air
	min. 6 bar / 90 PSI at the input	Connection for fully automatic machine only
	max. 5 µm	Particle size

## Technical Data

<b>Air flow requirement</b>	Semi-automatic device 0 l/min., otherwise max. 150 l/min.	
<b>Ambient conditions (operation)</b>	Temperature	+17 °C to +30 °C
	Air pressure	700 mbar to 1060 mbar
	Relative humidity	30 % to 70 % non-condensing
<b>Ambient conditions (transport)</b>	Temperature	-10 °C to +50 °C
	Air pressure	250 mbar to 1060 mbar
	Relative humidity	10 % to 85 % non-condensing
<b>Noise emission</b>	< 70 dB (A), workplace-related value	
<b>Resolution</b>	1000 pixels/cm (2540 dpi)	
<b>Plate sizes</b>	max. 670 mm x 750 mm	
	min. 240 mm x 240 mm	
<b>Plate thickness</b>	0.15 mm to 0.30 mm	



# Protection and Safety Requirements

## Standards

The Suprasetter complies with the safety regulations of the standards and directives listed below.



**Note:** The editions valid at the time of manufacture of the device apply. For approvals and markings, see the type label of the device.

## General

Product Safety Act	(Germany)
EC directive relating to machinery	(Europe)
Low-voltage directive	(Europe)
EMC directive	(Europe)
"Electromagnetic Compatibility Act" (EMVG)	(Germany)

## Laser safety

Please refer to the label overview at the end of this chapter for laser labels and their positions.

DGUV regulation 11	(Germany)
EN 60825-1	(Europe)
IEC 60825-1	(International)
21 CFR 1040	(USA)

## Technical Data

### Mechanical Safety

EN ISO 12100	(Europe)
EN1010-1/2	(Europe)
IEC 68-2-6	(International)
IEC 68-2-27	(International)

### Electrical Safety

EN ISO 13849-1	(International)
EN 60204-1	(Europe)
IEC 60204-1	(International)
EN 62368-1	(Europe)
IEC 62368-1	(International)
UL 62368-1	(USA)
CSA C22.2 No. 62368-1	(Canada)

## Interference Emission (Stray Radiation and Interference Voltage)

EN 55032:2015, threshold value B	(Europe)
CISPR 22, Class B	(International)
FCC CFR 47, Part 15, Subpart B, Class A	(USA)
ICES-003, Class A	(Canada)
EN 61000-3-2	(Europe)
EN 61000-3-3	(Europe)
AS/ZNS 3548	(Australia/New Zealand)

## Interference Immunity

EN 61000-6-2	(Europe)
EN 61000-6-3	(Europe)
EN 55024 / A1	(Europe)
CISPR 24	(International)

## Radio Interference Suppression

In compliance with electromagnetic compatibility according to the EMC directive, the Suprasetter is only to be operated with all covers correctly installed.

Ensure compliance with the radio interference suppression regulations, when you connect other electrical equipment to this unit by following the instructions given by the manufacturer of this equipment regarding correct installation and maintenance.

Compliance with radio interference suppression regulations can be assumed when the equipment in question is marked with the European Union mark of conformity (CE) or the UKCA mark and the instructions for installation, operation and service are followed.

## Technical Data

## Note on FCC

This device was tested and complies with the limits for class A digital equipment (see section 15 of the FCC Rules). These limits are designed to provide protection against harmful interference when the device is operated in commercial environments. The device generates and uses high-frequency oscillation and can emit it. Interference to radio and television reception can occur if the device is not installed and operated in compliance with the manufacturer's instructions. Harmful interference can occur when operated in a residential environment. Elimination of these interferences is at the expense of the user.

## Declaration of Conformity

The facts below apply exclusively within the member states of the European Economic Area (EEA) as well as to England, Scotland, and Wales as part of the United Kingdom (UK) and to products for which HEIDELBERG in its entirety is the manufacturer:

- The original version of the declaration of conformity is enclosed with this operating instructions.

## Disposal

The Suprasetter must be disposed of in compliance with the relevant national regulations. The Suprasetter contains harmful substances. It must be handed over to an approved waste disposal company and not be disposed of as household waste. Addresses can be obtained from the relevant environmental office.

The details of this disposal description are made to the best of our knowledge. They do not release persons disposing of the unit from their obligation to observe the regulations and legal provisions applicable at the time of disposal.

## General Dimensions

See ["Dimensions \(mm\)", page 91](#) for size and weight of the Suprasetter.

## Harmful Substances

The table below lists the parts that contain harmful substances and, therefore, must be disposed of or recycled separately.

The positions of such parts in the Suprasetter can be found in the graphics below.

<b>Description</b>	<b>Harmful Substances</b>	<b>Image No. (Pos.)</b>
Electronics box Various pcbs Power supply module	Tetrabrombisphenol, lead, etc. Tetrabrombisphenol, lead, etc.	7 (16)
Extractor fan	Tetrabrombisphenol, lead, etc.	6 (15)
Pilot lamp	Tetrabrombisphenol, lead, etc.	1 (21)
Connection pcb for laser module	Tetrabrombisphenol, lead, etc.	8 (17)
PCBs in punches	Tetrabrombisphenol, lead, etc.	9 (18)
Light barrier pcbs	Tetrabrombisphenol, lead, etc.	10 (19)
Laser module	lead, chromium (VI), etc.	8 (17)
Chiller	Tetrabrombisphenol, lead, etc.	11 (20)
Chiller preservative Glysantin	Ethylene glycol approx. 1 liter (see the <a href="#">section "Disposal of Glysantin", page 98</a> )	In the cooling circuit

## Technical Data

Polyvinyl chloride could be contained in the cable covering. The electronic components contain flame retardants. State-of-the-art technology allows thermal recycling in appropriately equipped plants.

### Disposal of Glysantin

The safety data sheet for **GLYSANTIN® G48® Ready Mix/50 blue-green also suitable for electric vehicles** or **GLYSANTIN® G30® pink also suitable for electric vehicles** from BTC Europe GmbH valid at the time of disposal must always be followed.

Supplier:

BTC Europe GmbH, Rheinpromenade 1, 40789 Monheim, Germany

ph. +49-2173-3347-0

E-Mail: [btc-productsafety@btc-europe.com](mailto:btc-productsafety@btc-europe.com)

## Recyclable Materials

The following table lists the main parts that do not contain harmful substances and that can undergo environmentally safe recycling.

The positions of such parts in the Suprasetter can be found in the graphics below.

Pos.	Description	Material	Weight approx. (kg)	Image No.
1	Cover plates	Aluminum plate, varnished	10	1 (1)
2	Table top	Aluminum plate, powder-coated	3	1 (2)
3	Side doors	Polyurethane	24	1 (3)
4 or 22, 24	Cover	Polyurethane	18	1 (4) 12 (23, 24)
5	Base frame	Sheet steel, galvanized	70	1 (5)
6	Machine base	Aluminum EN 573-3 EN AW 6060 T5	320	1 (6)
7	Side panels	Gray cast iron DIN EN 1561 EN-GJL-200	72	3 (7)
8	Imaging rails	Aluminum EN 573-3 EN AW 6060 T5	7	3 (8)
9	Imaging drum	EN AW-ALMgSiT66	32	3 (9)

## Technical Data

<b>Pos.</b>	<b>Description</b>	<b>Material</b>	<b>Weight approx. (kg)</b>	<b>Image No.</b>
10	Swivel table	Aluminum, partially powder-coated	18	4 (10)
11	Punch support bar (option)	EN AW-AlMgSiT66	13	4 (11)
12	Conveyor	Aluminum, partially powder-coated	12	5 (12)
	Various parts: Mounting parts Motors Pumps Cables Rubberized rollers	Steel, aluminum, plastic, cast aluminum	200	



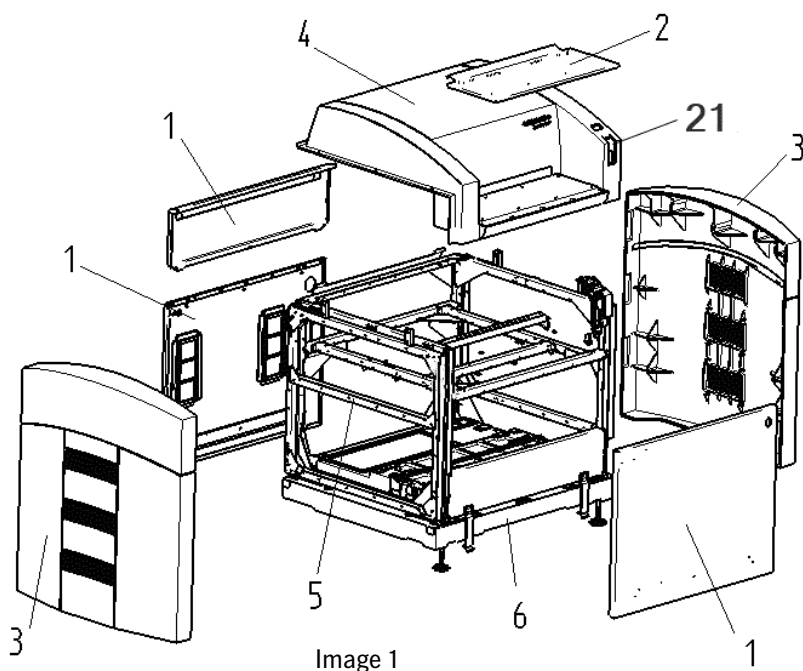
## Dismantling

Pos.	Steps	Comment
1 Image 1	Dismantling of the front and rear sheet-metal panels	Hinged or screwed
4.2 Image 1	Unscrew the top panel (4), remove the table top (2).	Screwed from below
or 23, 24 Image 12	Dismantle the top panel (23) and cover (24).	
3 Image 1	Open the doors and remove the side panels (3).	Screws on the inside
22 Image 12	Remove and dismantle the automatic attachment.	Option
13 Image 3	Draining of the coolant	Disposal of the coolant must be environmentally safe following the manufacturer's instructions. The notes in the safety data sheet must be observed (see the <a href="#">section "Disposal of Glysantin", page 98</a> ). Detach the coolant hose (13) lower down and allow the liquid (approx. 1 L) to drain off into a suitable container.

## Technical Data

Pos.	Steps	Comment
14, 15 Image 6 and 20 Image 11	Remove components in the door frames.	<p>Notice: Remove the filter mats (14) in the left side door (option) only with gloves and dust mask on and dispose of them as general commercial waste. See the <a href="#">section "Replacing the Filter Kit in the Suction Device"</a>, page 86.</p> <p>Dispose of the frigistor (Peltier element) and electronics (in 20) in the right side door (image 11) as electronic waste.</p>
12 Image 5	Remove and dismantle the conveyor (12).	Screwed (option)
10 Image 4	Remove and dismantle the swivel table (10).	Four screws near bearing
5a - 5h Image 2	<p>Unscrew the frame feet (5h, 2x).</p> <p>Dismantle the frame ((5a - 5g) and remove from the Suprasetter.</p>	Loosen the rubber stop at the back between the cast base and frame.
11, 18 Image 4 Image 9	Remove the punch support bar (11) and any punches (8).	Four side screws (option)
16 Image 7	Removing the electronics	Loosen the screws, then pull out the electronics. Dispose of the electronic components as electronic waste.
17 Image 8	Dismantling of the laser module	Dispose of the laser module as electronic waste.

Pos.	Steps	Comment
Image 3	Dismantle the imaging unit: Machine base (6) Side carriage (7) Drum (9)	Drum contains different types of material (steel, aluminum)



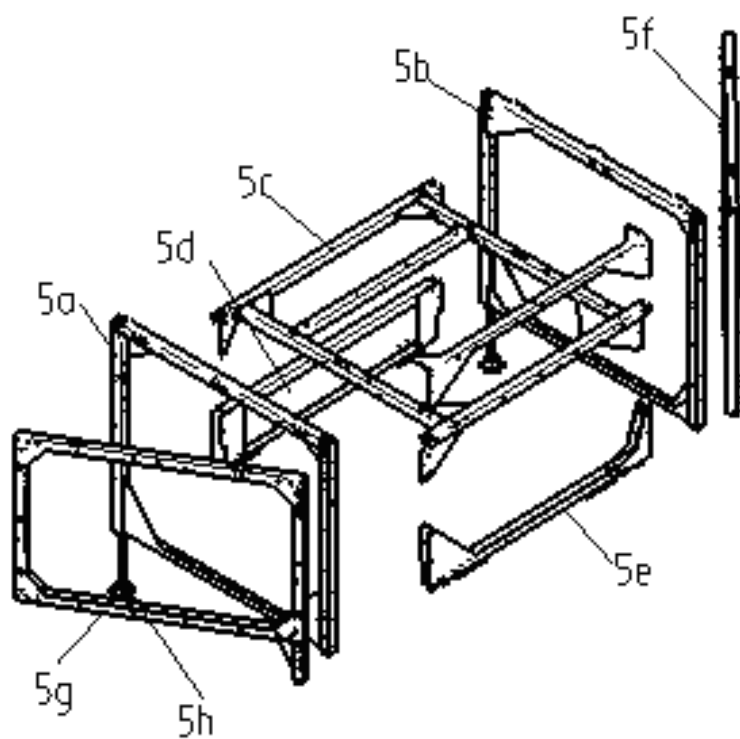


Image 2

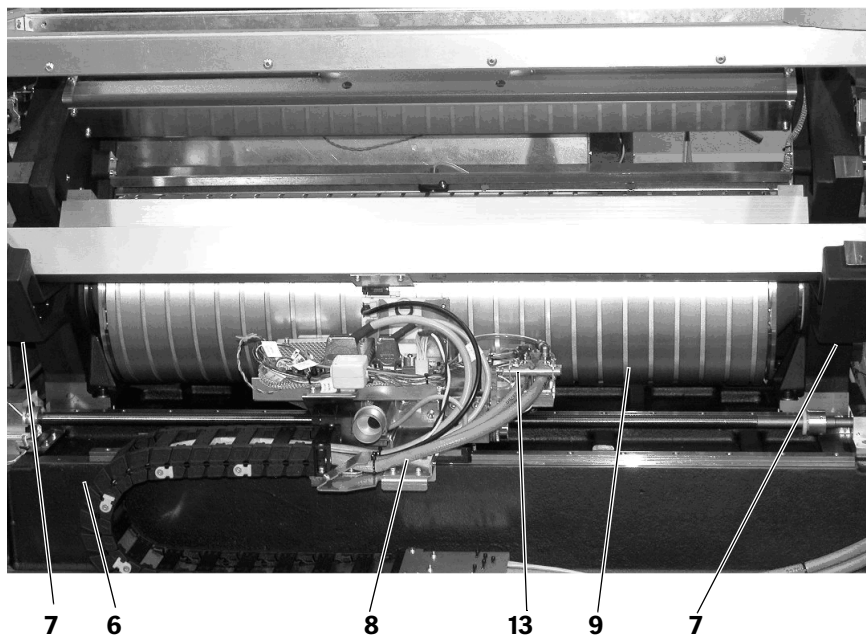


Image 3

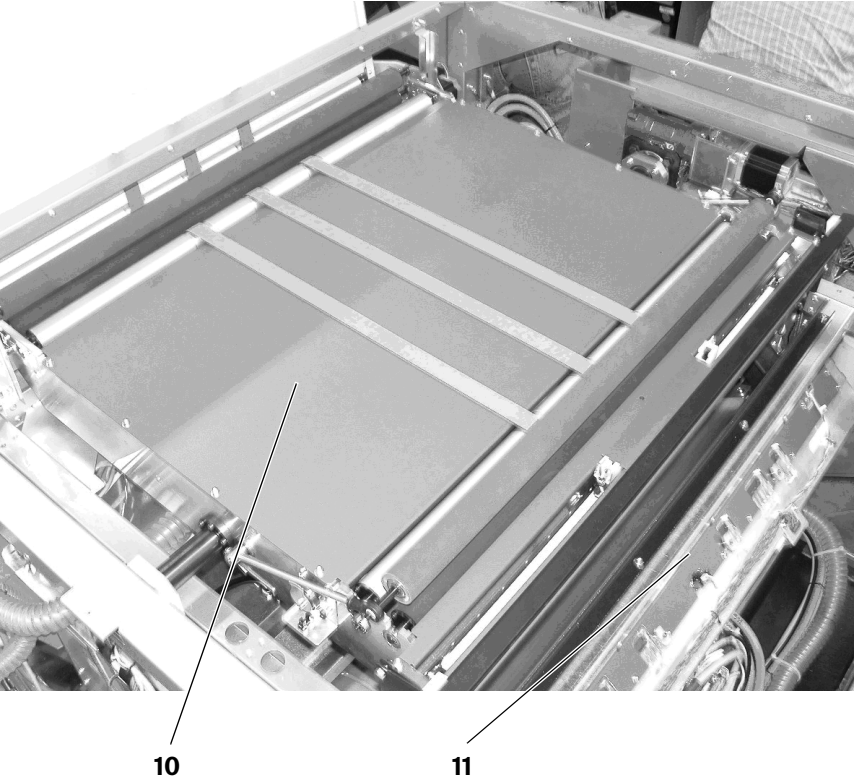
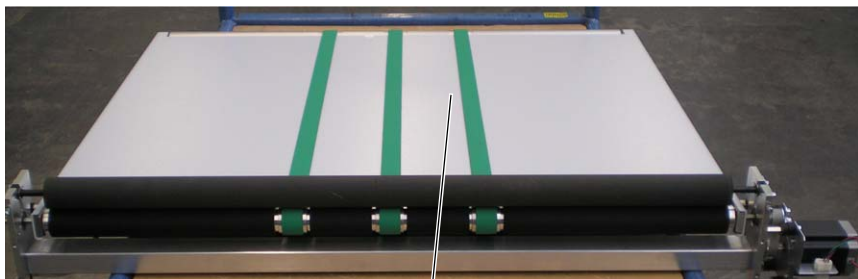


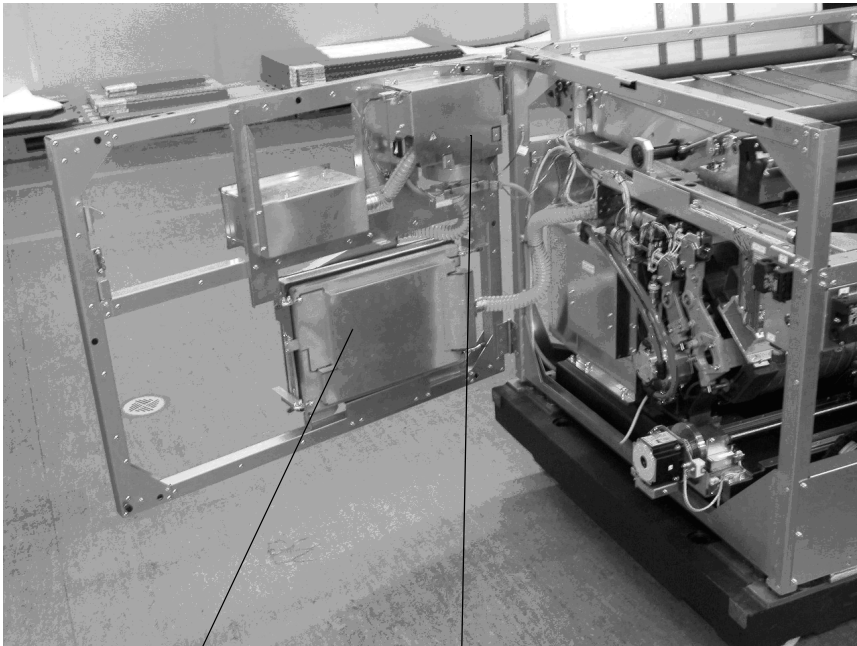
Image 4



**12**

Image 5

# Technical Data

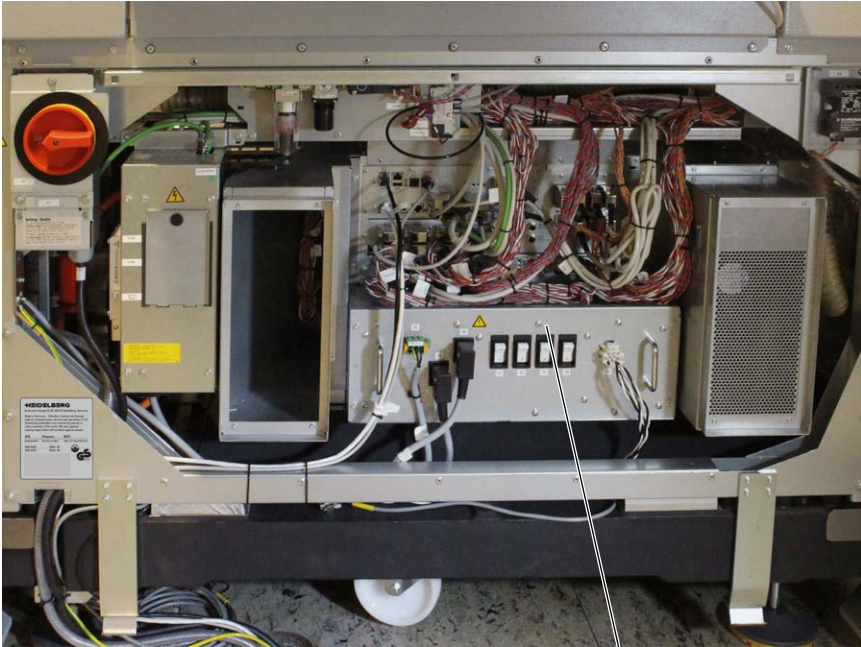


14

15

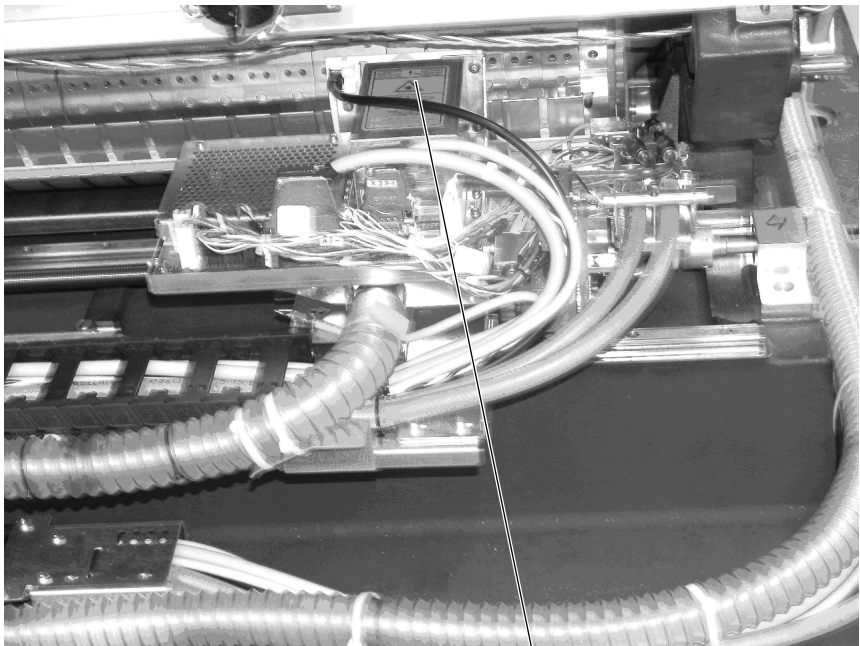
Image 6





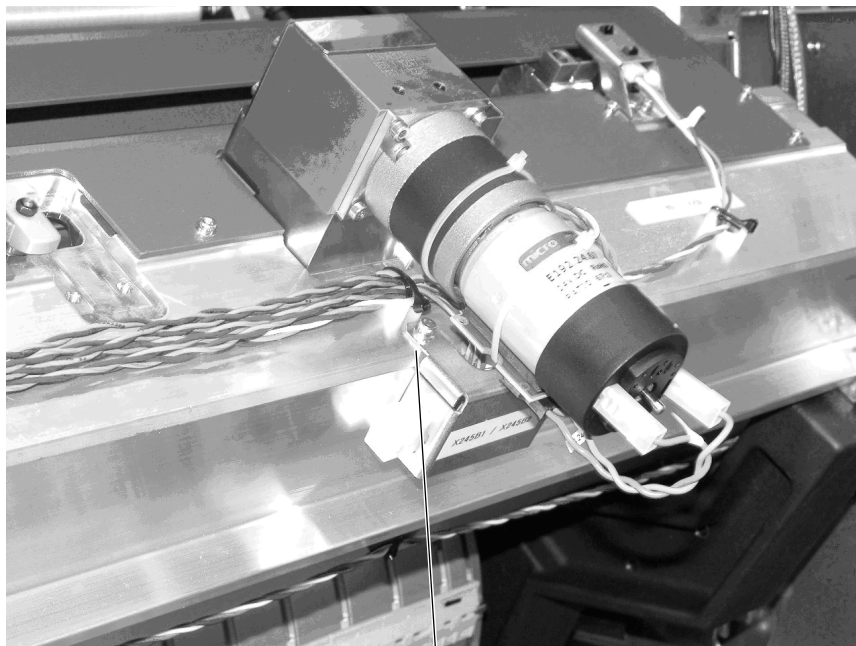
16

Image 7



17

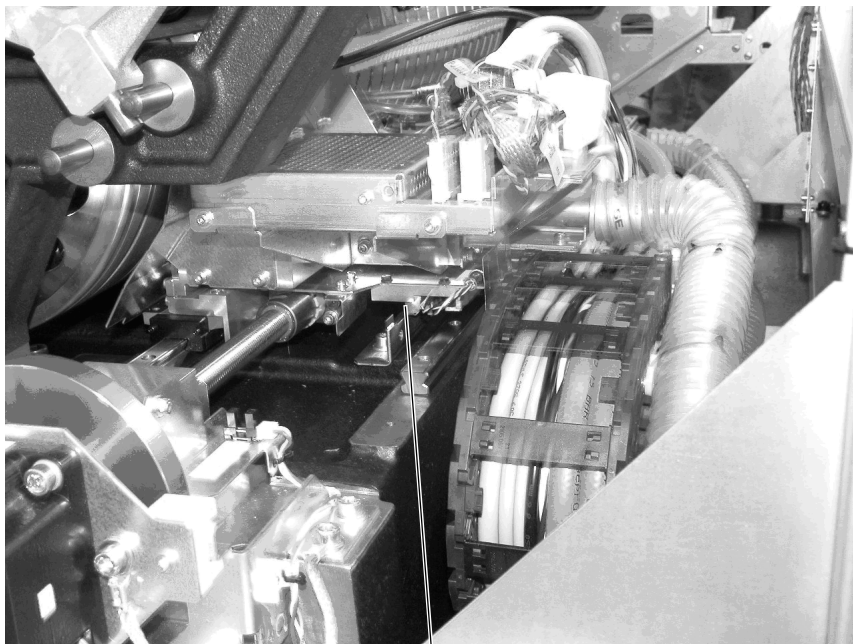
Image 8



**18**

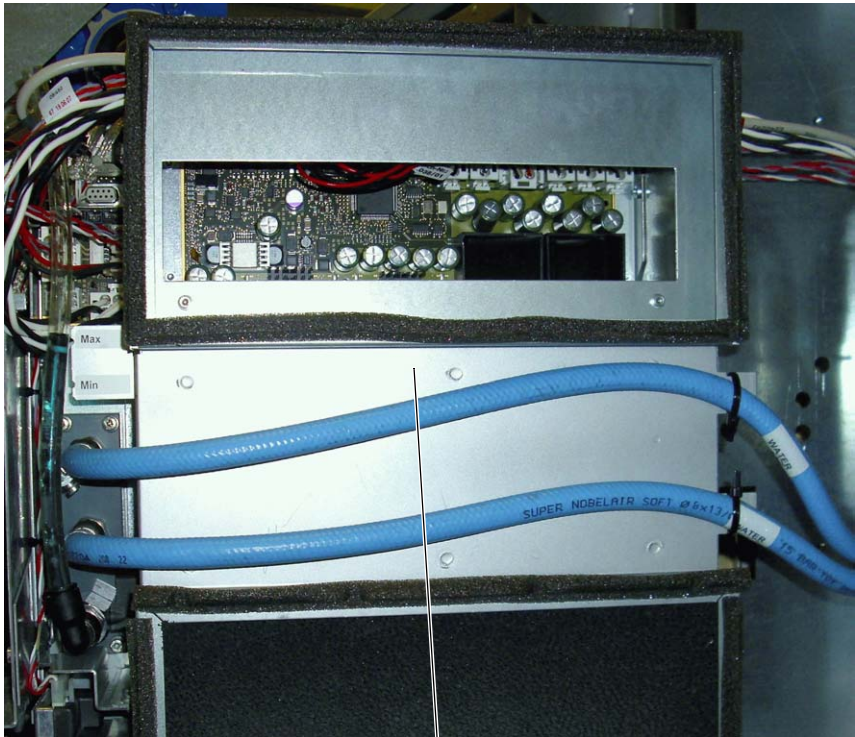
Image 9

## Technical Data



**19**

Image 10



20

Image 11

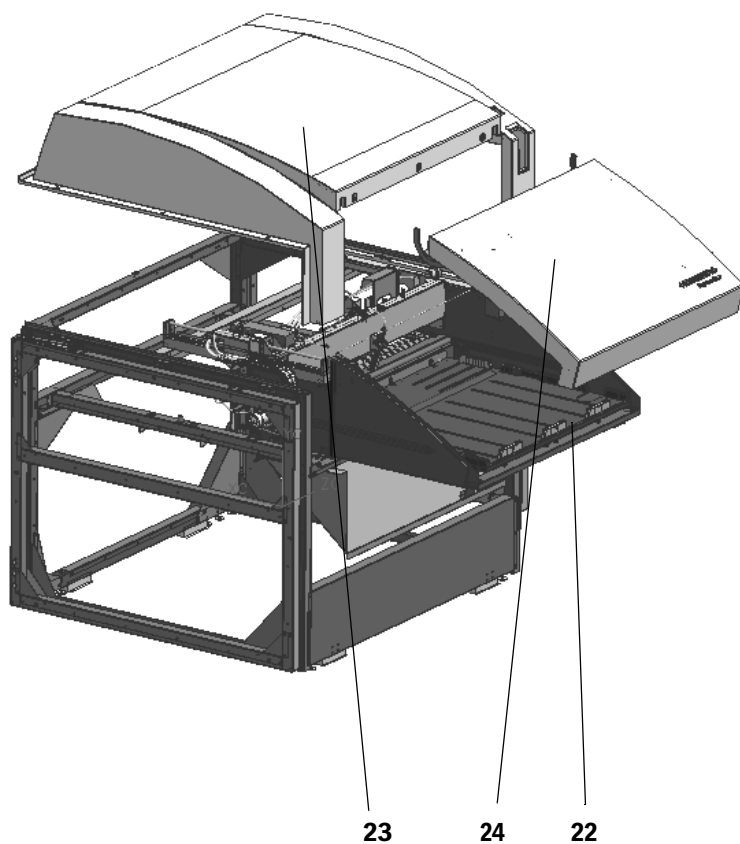


Image 12

## Labels on the Suprasetter A75



1

Reference to laser Class 1

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.  
Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouiller du Canada.

This product has been manufactured to meet or exceed the performance requirements for laser products as stated in 21CFR1040.10 and 21CFR1040.11 of the Health and Safety Act of 1968.

2

Note on FCC

## HEIDELBERG

Kurfürsten-Anlage 52-60, 69115 Heidelberg, Germany

Made in Germany. Attention: German and foreign patents. Essential parts, devices and operations of all Heidelberg platesetters are covered by patents in many countries of the world. We warn against copying; legal action will be taken against violator.

<b>A75</b>	<b>PJxxxxxx</b>	<b>XXYY</b>
Suprasetter	Serial number	Year of manufacture
200-240V	50Hz 8A	
200-240V	60Hz 8A	



Certification marks as per List  
of Countries\*

Type label (example illustration)

\* This is where the certification marks that may apply to the device such as CE, EAC, UKCA or cETLus are shown.



4



Caution! Invisible Class 4 laser radiation.

When open and interlock defeated, Avoid eye or skin exposure to direct or scattered radiation!

5

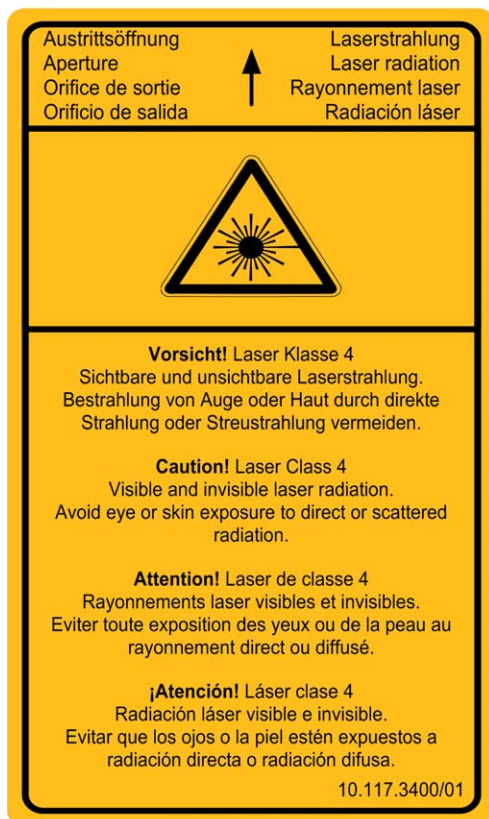


Caution! Beware of moving parts when interlock defeated.



6

Electrical hazard warning.



Caution! Laser Class 4.

Visible and invisible laser radiation. Avoid eye or skin exposure to direct or scattered radiation.

8



Wear protective gloves and a dust mask.

9

**VORSICHT:** HOHER ABLEITSTROM!  
VOR INBETRIEBNAHME SCHUTZLEITER-  
VERBINDUNG HERSTELLEN

**CAUTION:** HIGH LEAKAGE CURRENT!  
EARTH CONNECTION ESSENTIAL BEFORE  
CONNECTING SUPPLY

**ATTENTION:** COURANT DE FUITE ÉLEVÉ!  
RACCORDEMENT À LA TERRE INDISPENSABLE  
AVANT LE RACCORDEMENT AU RÉSEAU

Caution: High leakage current! Earth connection essential before connecting supply

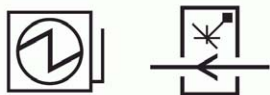
### Achtung / Caution

Der Ersatzableitstrom ist  $> 10\text{mA}$ !  
Zusätzliches Schutzleiterkabel (grün/gelb)  
mit min.  $6\text{mm}^2$  zum Hausanschluss verlegen!  
(siehe DIN EN 60204-1:2007, # 8.2.8)

The earth leakage current is  $> 10\text{mA}$ !  
An additional earthed conductor (green/yellow)  
with min.  $6\text{mm}^2$  has to be connected to mains!  
(see IEC/EN 60204-1:2006, # 8.2.8)

10

Caution: The leakage current is  $> 10\text{ mA}$ .

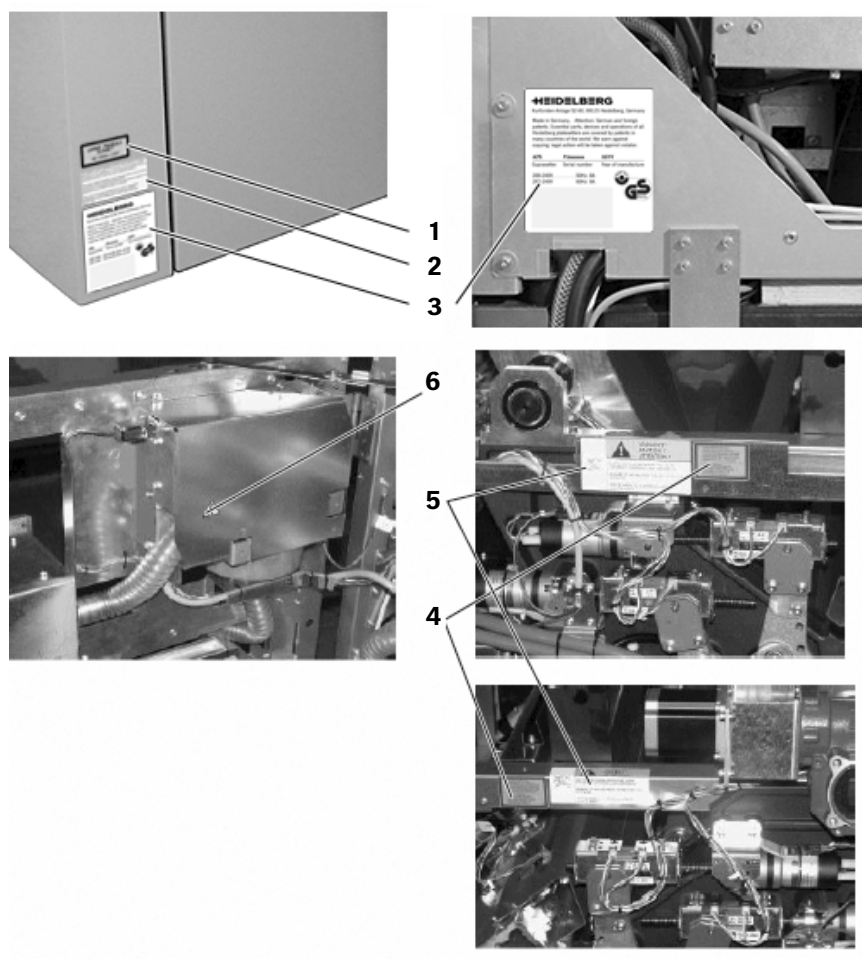


10.122.3899

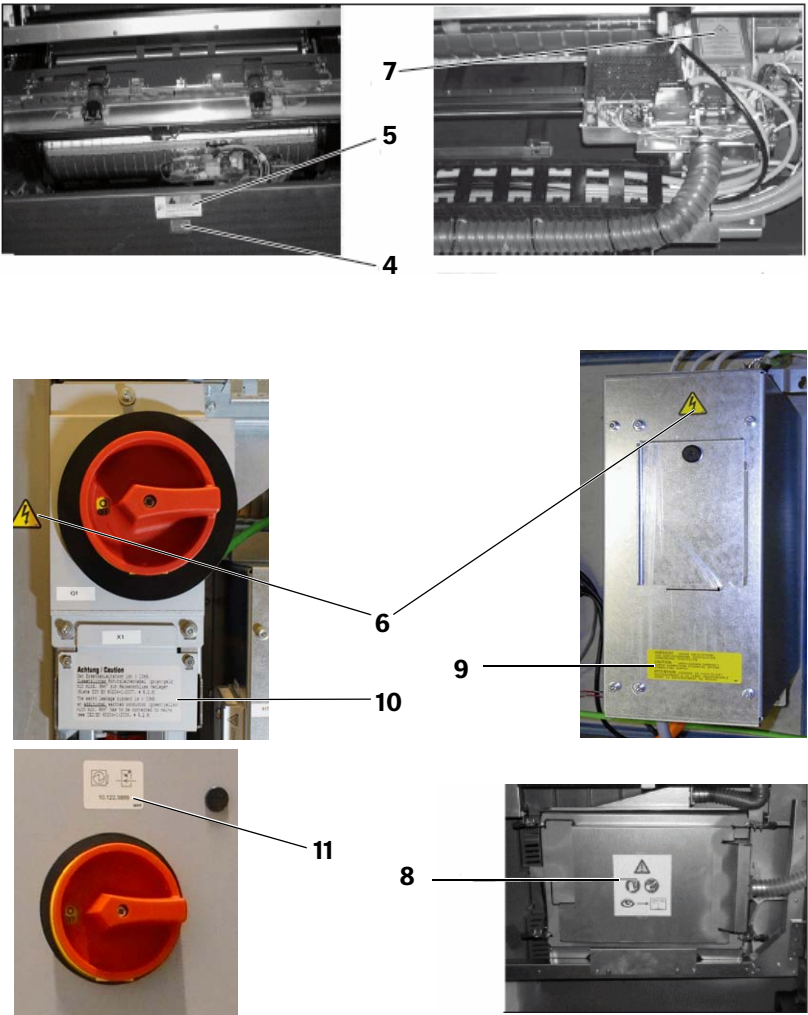
11

Power switch identification

# Position of Labels



Technical Data



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