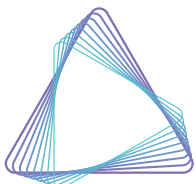


# Semi-Automated Cap Capper User Guide



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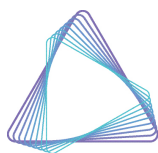
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These are the original instructions for the Semi-Automated Cap Capper.



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# Revision History

Revision	Date
Revision A	05 MAR 2020
Revision B	26 OCT 2021
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# 1. Introduction

## Intended Use

The semi-automated cap mat applicator is able to cap 96 rack tubes by compressing a cap mat against tube rack.

The supported range of tubes for "shallow" style closures are:

- Azenta/Micronics
- Matrix

The supported range of cap mats are:

- Micronics
- Matrix
- Azenta

The cap mat is made up of two parts: the caps and the holder. The holder aligns the caps in a grid of 96 and has to be removed after the capping operation.

The Semi-Automated Septum Cap Capper is programmable for the number of compression cycles.





It is easy to use with simple steps:

- a. Open the drawer and insert the adapter, the tube rack, and the cap mat.
- b. Close the drawer in order to start the cap cycle.
  - The mat is compressed in order to cap the tubes.
  - An acoustic signal will advise the operator that the cycle has ended.
- c. Open the drawer and remove the rack.
- d. Remove the cap holder from the rack.

The semi-automated cap mat applicator must be used in a professional environment and only by properly trained users that know the specific hazards of this technique and of its specific application. The semi-automated cap mat applicator must be used according to the regulations in place regarding the safety in testing laboratories.





## Symbols










Please carefully review the following table before using your unit. These symbols are used throughout this manual.

Symbol	Description
	Warning hazard
	High voltage hazard
	Pinch, crush, and cut hazard
	Biohazard: indicates the possible presence of biological or hazardous substances

## Warnings

Read the following warnings before unpacking or using the unit.

	See <a href="#">"Intended Use"</a> and be sure to understand the information.
	See Declaration of CE Compliance enclosed with the cap mat applicator.
	Before removing the cap mat applicator from the box, carefully read the <a href="#">"Preliminary Operations"</a> and <a href="#">"Voltage Check"</a> sections.
	Before switching ON the cap mat applicator, check that the voltage is set correctly.

	Warning: pinch, crush, and cut hazard during movement.
	Electrical Hazards. Every laboratory instrument has specific hazards, so be sure to read and comply with the following precautions.
	Do not use power cords not supplied by the manufacturer or power cords with ratings different from those specified in this user manual.
	The supplied power cord must be inserted into a power outlet with a protective earth contact (ground). When using an extension cord, make sure that the cord also has an earth contact.
	This product is designed in accordance with international safety standards.
 	Do not turn the cap mat applicator on if it shows visible signs of damage or if you suspect that it has incurred any kind of electrical damage. If, for any reason, the safety protections were compromised or if the cap mat applicator shows signs of damage, disconnect the power cord and contact the manufacturer. The power cord connector is considered the disconnecting device of the product. Electrical damage may have occurred if the cap mat applicator shows visible signs of damage, or has been transported under severe stress.
	Before recycling or disposing of the cap mat applicator, be sure to power off the unit, remove the plate, and decontaminate the instrument in accordance with national and international safety regulations.
	The cap mat applicator can be damaged if it is stored for prolonged periods under unfavorable conditions (e.g. subjected to heat, water, etc.).
	Do not place the cap mat applicator in a way that makes it difficult to handle the disconnecting device of the cap mat applicator.
	Always disconnect the power cord before attempting any type of maintenance.



	Contact the Technical Assistance Center if, for technical reasons, it is necessary to work on cap mat applicator parts that require tools to access. Violation of this directive implies the immediate invalidation of the warranty and service contract.
	The replacement of parts and other service operations must be performed only by a technician that has been qualified by the manufacturer. If a part needs to be replaced, only use spare parts supplied by the manufacturer or its agent.
	Avoid contact with the cap mat applicator while it is running.
	To avoid accidents, use good laboratory practices while handling solvents, reagents and consumables. Observe the safety regulations of any chemicals being used, as indicated in their specific safety data sheets (MSDS), and know the physical and chemical properties of the substances before use.
	Do not use the cap mat applicator with flammable substances.
	The warning label on the drawer indicates the presence of moving parts. Use caution to avoid bumps or cuts.
	The biohazard warning label on the drawer indicates the possible presence of biological or other hazardous substances. This depends on the types of substances being used with the cap mat applicator.
	It is essential that users know the potential hazards associated with the equipment.
	All operators should know and observe the safety precautions and warnings in this section before using the unit.
	If the unit is used in a manner not specified by the manufacturer, the equipment may be damaged and become unsafe to use.

	<p>The machine is designed for indoor laboratory use only, at an altitude of less than 2000m above the sea level, within a temperature range of 18°C to 35°C and a relative humidity range of 20% to 80% non condensing.</p> <p>If the instrument is stored outside these ranges, it should be left to stand until it equilibrates to within the above limits.</p>
	<p>Do not operate the unit outside of the rated power supply range.</p>
	<p>Use the cleaning methods recommended by the manufacturer.</p>
	<p>This equipment should only be dismantled by properly trained personnel. Removing the top case exposes potentially lethal voltages.</p>
	<p>The user must be trained to operate in accordance with the safety standards for the laboratories. The cap mat applicator does not have specific protection mechanisms against substances that are corrosive, potentially infectious, toxic, radioactive, or other substances that can be hazardous to health. Operators should use individual protection measures such as PPE (gloves, masks, goggles, and so on). The use of such devices must comply with the currently established regulations regarding the safety of testing laboratories.</p>
	<p>The operators using the cap mat applicator must be trained about the used substances, such as their hazards, how to safely use them, and their proper disposal. For the proper handling of used substances, refer to the material safety data sheets (MSDS) and to the regulations, laws, directives and safety decrees currently in force regulating operation within testing laboratories.</p>
	<p>The user has sole responsibility over the insertion and positioning of the substances being used. The user must operate in accordance with applicable laws, in particular, the laws concerning accident prevention and the safety of testing laboratories.</p>
	<p>Before recycling or disposing of the cap mat applicator, be sure to power off the unit, remove the plate, and decontaminate the instrument in accordance with national and international safety regulations.</p> <p>The operator is responsible for the appropriate cleanup and decontamination of hazardous material spilled on or inside of the instrument.</p> <p>The operator is responsible for the substances used for the decontamination. These substances must not create dangerous reactions with other poured substances, with parts of the equipment, or with material contained within the equipment.</p> <p>If you have any doubt about the substances used to decontaminate the equipment, contact your sales representative.</p>
	<p>Do not obstruct the air outlet openings of the instrument in any way. Keep an appropriate clearance of at least 20 cm between the rear and the side of the instrument and any other items.</p>



The autosampler complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- a. This device may not cause harmful interference.
- b. This device must accept any interference received, including interference that may cause undesired operation.



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

## Applicable Rules

- 2006/42/EC: Machinery Directive
- 2014/35/EU: Low-Voltage Equipment Directive.
- 2014/30/EU: Electromagnetic Compatibility Directive.
- 2011/65/EU: Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) Directive.
- 2015/863/EU: Delegated Directive amending Annex II to Directive 2011/65/EU regards the list of restricted substances (Restriction of DEHP, BBP, DBP and DIBP).

## Technical Specifications

### Mechanical Dimensions

Specification	Measurement
Height	310 mm
Depth	275 mm
Width	171 mm
Weight	10 kg

### Electrical

Specification	Measurement
Voltage	115/230 $\pm$ 10% Vac
Frequency	50/60 Hz
Power	100 VA

### Environmental

Specification	Measurement
Temperature range	Operative: 18 °C - 35 °C Storage: -20 °C - 40 °C
Relative humidity	20% - 80% not condensing
Maximum altitude	2000m

### Sound Pressure Level

Specification	Measurement
Maximum measured level	Negligible (below the limits of 85 dbA as defined by established regulations)

### Safety Information

The cap mat applicator is classified as follows:

- Pollution degree 2
- Overvoltage category II
- Devices for use indoors


## Setup Parameters

**Cycle number:**

c: 1-10

## Regulatory Compliance and Declaration of Conformity (DoC)

The Semi-Automated Septum Cap Capper meets the requirements of the European Union's Machinery Directive 2006/42/EC and 2014/30/EU as a completed machine. In accordance with the Directive, Azenta Life Sciences has issued a Declaration of Conformity and the Semi-Automated Septum Cap Capper has a CE mark affixed.

DOCUMENT NUMBER: <b>342674</b>	TITLE: <b>Declaration of Conformity, Machinery Directive</b>	
REVISION: B	DOCUMENT CLASSIFICATION: 04-Form, Template or Other	
ECO# EC132455		

### DECLARATION OF CONFORMITY

**Description:** Semi-Automated Septum Cap Capper

**Function:** The device is a compact, semi-automatic tube capper, designed to cap 96 racked tubes by compressing a cap mat against the tube rack. It supports a wide range of cap mats and caps. The device can be program for the number of compression cycles.

**Product code:** 46-2004, 46-2004-115V, 46-2004-230V

Business name and full address of the manufacturer of the machinery:  
**Azenta Life Sciences, Northbank, Irlam, Manchester M44 5AY, United Kingdom**

Name and address of the person, established in the Community, authorized to compile the relevant technical documentation:  
**Azenta Life Sciences (Germany) GmbH, Im Leuschnerpark 1B, 64347 Griesheim, Germany**

- The manufacturer declares:
- That this machinery fulfills all the relevant provisions of Directive 2006/42/EC (Machinery Directive)
    - EN 12100:2010 Safety of machinery. General principles for design. Risk assessment and risk reduction
    - ISO/TR 14121-2:2012 ED2 Safety of machinery. Risk assessment. Practical guidance and examples of methods
    - EN 61010-1:2010+A1:2019 Safety requirements for electrical equipment for measurement, control, and laboratory use. General requirements
    - EN 61010-2-081:2015 Safety requirements for electrical equipment for measurement, control and laboratory use. Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes
  - That this machinery fulfills all the relevant provisions of Directive 2014/30/EU (EMC Directive)
    - EN 61326-1:2021 Electrical equipment for measurement, control and laboratory use. EMC requirements. General requirements
  - That this machinery is in conformity with Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment and amendment 2015/863/EU.
    - BS EN IEC 63000:2018. Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.

Year CE Marking Affixed to Product: 2012  
 Signed for and on the behalf of Azenta Life Sciences:

***Rob Woodward***  
Rob Woodward (Oct 25, 2021 05:58 GMT+1)  
 Print name: Rob Woodward  
 Position: Senior Vice President, Global Quality Executive Management  
 Place: Irlam, Manchester

Confidential: The information is confidential and is to be used only in connection with matters authorized by Azenta and no part of it is to be disclosed to others without prior written permission from Azenta.		
Date Printed: Saturday, October 23, 2021	<b>This is uncontrolled when printed</b>	PAGE <b>1</b> OF <b>1</b>

## 2. General Description

### Parts Definition

The Semi-Automated Septum Cap Capper is composed of the following main components:

- Cabinet
- Control panel
- Rear Power Interface
- Electronic circuit
- Handling system (motor, sensors)
- Rack adapter
- Tube rack
- Cap mat



Figure 2-1: Semi-Automated Septum Cap Capper Unit

## Control Panel

The Semi-Automated Septum Cap Capper Control Panel is composed of the following main components:

- Display
- LED
- Function keys

Refer to [Figure 2-2](#) for the *Control Panel* component locations.





Reference Number	Description	Function
1	Amber LED	Status indicator
2	<b>M</b> key	Set-up/Run mode selection
3	Three digit LED display	GUI information
4	<b>Up Arrow</b> key	Direction up
5	<b>Down Arrow</b> key	Direction down

**Figure 2-2: Control Panel**

## Rear Power Interface

Refer to [Figure 2-3](#) for the location of the *Rear Power Interface* components:



Reference Number	Description
1	Power setting 115/230 Vac and fuse holder
2	I/O power switch
3	Main power plug

**Figure 2-3: Rear Power Interface**



# 3. Installation

## Preliminary Operations

**NOTE:** After unpacking, make sure all packaging and fixtures are retained, as the unit must always be transported in the original packaging to avoid damage. The manufacturer accepts no responsibility for damage incurred if the unit is not correctly packed and transported in this way.

Step	Action
1.	Remove the Semi-Automated Septum Cap Capper unit from its packaging.
2.	Place the unit on a level surface away from direct sunlight and ensure access to the power switch on the back of the unit.
3.	Ensure that the vents on the cabinet are not obstructed.
4.	Check the main voltage selector switch to ensure that the voltage has been set at the correct value.
5.	Connect the unit to the main power supply and switch on the Rear Power Interface I/O power switch.

## Voltage Check

 <b>WARNING</b> <b>Electrical Shock Hazard</b>	
Be sure that the equipment is not connected to the main power.	

On the back of the Semi-Automated Septum Cap Capper, there is the connection panel with:

- Power setting 230/115 Vac and fuse holder
- I/O power switch
- Main power plug

The voltage setting is written in white on a red background on the top of the power setting and fuse holder.

## Voltage Setting Procedure

Step	Action
1.	<p>Open the fuse holder compartment with a screwdriver.</p> 


Step	Action
2.	<p>Use the screwdriver to extract the fuse holder.</p> 
3.	<p>Remove the two fuses and replace them with two more fuses that correspond to the desired voltage setting (see <a href="#">Table 3-1</a>).</p>
4.	<p>Re-insert the fuse holder, keeping the currently set voltage label at the top.</p>
5.	<p>Press gently to close the fuse compartment. <b>NOTE:</b> If the fuses are correctly inserted, you will be able to read the selected voltage.</p>

Table 3-1: Fuse Usage Table



Power Voltage	(EN 60127)
115V	T2A L 250V, 5x20 mm
230V	T1A L 250V, 5x20 mm

# 4. Setup

## Set-up Operating Mode

Step	Action
1.	Power on the unit.
2.	Enter Set-up mode by pressing and releasing the <b>M</b> key. <i>NOTE: The three digit LED will display a flashing letter "c" and the most recently set cycle number.</i>
3.	Decrease or increase the cycle number using the <b>Down Arrow</b> and <b>Up Arrow</b> keys. <i>NOTE: "c" can be set from 1 to 10, with incremental steps of 1.</i>
4.	Press the <b>M</b> key again to store the new cycle number value and to exit from the setup menu. <i>NOTE: The unit will return to "run cycle."</i>

# 5. Basic Functions

 <b>CAUTION</b>	
Before continuing with the following instructions, please read " <a href="#">Warnings</a> " and be sure to understand all of the information provided.	

## Run Cycle

### Theory of Operation

After the unit is powered on:

Step	Action
1.	The display shows the firmware version.
2.	The unit automatically goes to the home position with: <ul style="list-style-type: none"><li>• The open drawer sensor and the low handler sensor activated.</li><li>• The drawer released.</li></ul>
3.	The display shows "Rdy." This means that the unit is ready for capping and the amber LED remains on permanently.




---



Step	Action
<b>4.</b>	The loading procedure can then be executed (The loading procedure is further explained in the section " <a href="#">Loading Operation</a> ): <ol style="list-style-type: none"><li>a. Open the drawer.</li><li>b. Load the adapter.</li><li>c. Place the tube rack over the adapter and then place the cap mat above.</li><li>d. Close the drawer.</li><li>e. Keep the drawer pressed closed until the unit emits an audible sound that signals that the close drawer sensor is activated and the drawer is blocked.</li></ol>
<b>5.</b>	The handler motor pushes the cap mat over the rack, applying the appropriate pressure.
<b>6.</b>	During the capping operation, the display shows the "Bsy" and the amber LED flashes.
<b>7.</b>	When the unit has completed all of the set compression cycles it emits an audible sound, the display shows "Rdy", and the amber LED returns on permanently.
<b>8.</b>	The handler motor returns to the home position and the drawer is released.
<b>9.</b>	The operator can then remove the cap holder and remove the capped rack (see " <a href="#">Loading Operation</a> ").
<b>10.</b>	A new cycle can be started.


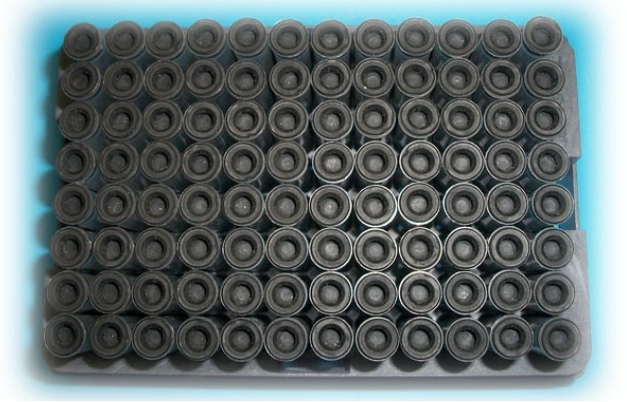
## Loading Operation

The loading procedure must be carried out according to the following steps:

Step	Action
1.	<p>Open the drawer.</p> 

Step	Action
2.	<p>Place the adapter inside the drawer.</p> <p><b>NOTE:</b> Refer to the "List of compatible labware" document provided with the device for which adapter to use.</p> 
3.	<p>Place the tube rack over the adapter.</p> 

Step	Action
4.	<p data-bbox="358 264 753 289">Place the cap mat above the tube rack.</p>  <p>The image shows a white, rectangular Azenta Semi-Automatic Cap-Mat Sealer. The front panel features a digital display showing 'rdy' in red, a 'Status' indicator light, a 'Set/Run' button with an 'M' icon, and 'Increment' buttons with up and down arrows. A tube rack filled with grey tubes is inserted into the front-loading chamber. A white arrow points to the top edge of the tube rack. The front panel has two yellow warning symbols (a triangle with an exclamation mark and a triangle with a lightning bolt) and the text 'Semi-Automatic Cap-Mat Sealer'.</p>
5.	<p data-bbox="358 1012 537 1037">Close the drawer.</p>  <p>The image shows the same white Azenta Semi-Automatic Cap-Mat Sealer with the front drawer closed. The front panel features the same digital display and controls as in the previous image. The front panel has two yellow warning symbols and the text 'Semi-Automatic Cap-Mat Sealer'. The Azenta Life Sciences logo is visible at the bottom of the front panel.</p>

Step	Action
6.	<p>After the capping procedure is completed, open the drawer and remove the cap holder from the tube rack.</p>  <p><b>NOTE:</b> After the cap holder is removed, the tube rack will look similar to the figure below.</p> 

# 6. Troubleshooting



## Troubleshooting Introduction

The possible errors that could occur while operating the Semi-Automated Septum Cap Capper are summarized in this chapter.

If the provided solutions do not solve the problem, please contact your supplier or the Technical Assistance Center.

Before calling the Technical Assistance Center, please check the following:

- All instructions were carefully followed.
- All the options listed were tried.
- All cables are connected correctly.

## Errors and Troubleshooting

When an error occurs, the display shows the error code, an intermittent audible sound is emitted, and the amber LED is switched off.

**Table 6-1: Errors and Troubleshooting**



Error Code	Cause	Corrective action
Er1	The system cannot reach the home position within a defined time after start up.	Power the machine off and back on, and then retry the operations.
Er2	The motor cannot reach the compression force within a defined time.	Check that the adapter, the tube rack, and the cap mat have all been loaded correctly (see " <a href="#">Loading Operation</a> "). If one of those parts was not loaded, or was loaded incorrectly, correct the problem and retry. If the problem is not resolved, power the machine off and back on, and then retry the operations.
Er3	The motor cannot reach the low handler sensor within a defined time.	Power the machine off and back on, and then retry the operations.
Er4	Motor over current after the capping operation, before reaching the low handler sensor.	Power the machine off and back on, and then retry the operations.
Er5	Open drawer sensor active during rise movement.	Retry the operation ensuring that the drawer is pressed closed for the necessary amount of time required to block it, according to the instructions detailed in the " <a href="#">Run Cycle</a> " section. If the problem is not resolved, power the machine off and back on, and then retry the operations.
Er6	Low handler sensor is not activated during the capping operation within a defined time.	Power the machine off and back on, and then retry the operations.

---

**NOTE:** If any of these problems persist after attempting the provided corrective actions, contact your supplier or the Technical Assistance Center.

---

# 7. Maintenance

 <b>CAUTION</b>	
Power off the unit and disconnect the power cable before cleaning the equipment.	

## Periodic Maintenance

The unit requires the following periodical maintenance:

### Cleaning

---



**NOTE:** Any cleaning procedure must be executed with the unit powered off and the power cable disconnected.

---

- Clean the cap mat applicator with a cloth dipped in water or ethanol (methanol or formaldehyde can also be used).
- The unit should not be immersed in solvents.
- Do not use acetone or abrasive cleaners.
- No parts are to be autoclaved.
- In case of radioactive spillages, be sure to use an appropriate cleaning agent.





## Preventive Maintenance

 <b>CAUTION</b> <b>Unauthorized Service</b>	
<p>This type of maintenance should be performed only by Technical Assistance Personnel. Contact your supplier or Technical Assistance Center.</p>	

**Table 7-1: Operation Type and Frequency**

Operation	Frequency
Lubrication of the gearing	Every 3000 Cycles
Lubrication of the runners	Every 3000 Cycles







## Advanced Maintenance

 <b>CAUTION</b> <b>Unauthorized Service</b>	
<p>The replacement of parts and other service operations such as advanced maintenance must be performed only by a technician that has been qualified by the manufacturer. If a part needs to be replaced, only use spare parts supplied by the manufacturer or its agent.</p>	

For any other maintenance operations not covered in this manual, please contact your supplier or Technical Assistance Center. The user is not authorized to perform any operations outside of the normal operation of this unit.

The technician must read the following warnings before performing any operations on the instrument, in addition to the "Warnings" listed in the Introduction section of this user guide.

	Consult service documentation for proper service procedures.
	Be sure that the instrument is appropriately decontaminated by the user before attempting any type of maintenance.
	Only use fuses of the type and current rating specified. Do not use repaired fuses and do not short-circuit the fuse holder.
	The supplied power cord must be inserted into a power outlet with a protective earth contact (ground). When using an extension cord, make sure that the cord also has an earth contact.
	Do not change the external or internal grounding connections. Tampering with or disconnecting these connections could endanger you and/or damage the cap mat applicator.
	You do not need to make any changes to the electrical connections or to the chassis of the cap mat applicator to ensure safe operation.
	Always disconnect the power cord before any disassembly and replacement of parts.
	Capacitors inside the cap mat applicator may still be energized even if the cap mat applicator is turned off.
	The cap mat includes a number of integrated circuits. These circuits may be damaged if exposed to excessive line voltage fluctuations and/or power surges.
	If, for technical reasons, it is necessary to work on parts of the unit requiring tools that are not provided with the unit, or on other parts not detailed in this manual, please contact the manufacturer's Technical Service Center.
	Do not, under any circumstance, attempt to bypass or disable safety features including safety mechanisms and protective circuits.

	<p>Wear personal protective equipment (PPE) provided by the regulation in force.</p>
	<p>Use utmost caution when working on a powered machine. Keep away from moving parts and hazardous live parts.</p>
	<p>After performing maintenance, always check that all the parts that were removed have been replaced correctly, especially the safety-related parts.</p>
	<p>Check that all the caution labels that should be on the machine according to the user manual are present, clean and in good condition. Replace non-conforming labels as necessary.</p>
	<p>Verify the safe state of the equipment after maintenance by performing a continuity test between the earth pin of the appliance inlet and all accessible conductive parts on the other side according to the regulation in force in your country.</p>
	<p>The potential risks to service personnel are:</p> <ul style="list-style-type: none"><li>• Electric shock due to contact with hazardous live parts.</li><li>• Cuts, crushed body parts, or penetration of the skin due to contact with moving parts.</li><li>• Contamination due to spilling of hazardous substances.</li></ul> <p>Follow the protective measures covered in this section to reduce the risk of injury to an acceptable level.</p>

## 8. Recycling and Disposal

### NOTICE

Before recycling or disposing of the cap mat applicator, be sure to power off the unit, remove the plate, and decontaminate the instrument in accordance with national and international safety regulations. The operator is responsible for the substances used for the decontamination. These substances must not create dangerous reactions with other poured substances. If you have any doubt about the substances used to decontaminate the equipment, contact your sales representative.

### Uninstalling Instructions

To uninstall the cap mat applicator, perform the following sequence of operations:

Step	Action
1.	Open the drawer.
2.	Remove the plates and adapter inserted in the cap mat applicator.
3.	Close the drawer.
4.	Switch off the unit.
5.	Unplug the external power supply from the main power.
6.	Remove the power cord from the cap mat applicator.

## Shipping Instructions

Step	Action
1.	Perform the uninstalling procedure described in " <a href="#">Uninstalling Instructions</a> ".
2.	Repack all parts of the unit in the original packaging, ensuring that all the components are placed in the packaging.
3.	Close the box using suitable adhesive tape.

## Disposal Instructions

### Information For the Users

The following information is according to Directive 2002/95/CE, 2002/96/CE, and 2003/108/CE, concerning the restriction of the use of certain hazardous substances in electrical and electronic equipment and the waste disposal thereof.



The symbol of the crossed bin shown on the equipment or on its packaging indicates that the product is to be collected separately from the other waste. The user must deliver the equipment to the appropriate collection points for electrical and electronic waste or to the user's sales representative (if new, similar equipment is bought).

The appropriate separated collection allows for recycling, treatment, and disposal. It helps to avoid possible negative effects on the environment and on human health and allows the recycling of the materials from the equipment.

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**NOTE:** Improper disposal of the product causes administrative sanctions in accordance with all applicable laws.

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