



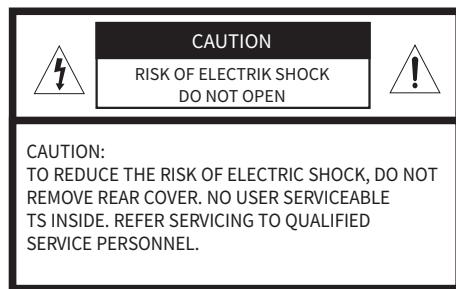
FREEZETECH  
IOT BASED CRYOGENIC STIRLING FREEZER  
**ST0098765**

**OPERATING USER MANUAL**

---



**CAUTION**  
THIS SYSTEM IS TO BE USED ONLY BY A TRAINED  
SCREENTECH AUTHORIZED PERSONAL



This symbol indicates that dangerous Voltage which can cause electric shock is present inside the unit



This symbol alerts you to important Operating and maintenance instructions accompanying the unit

**WARNING**

To reduce the risk of electric shock, do not expose this machine to rain or moisture

**CAUTION**

To reduce risk of Laser radiation exposure do not open the machine lid during its operation



This symbol alerts you that this machine may crush your hands if not used correctly.



CE marking is an administrative marking that indicates conformity with health, safety, and environmental protection standards for products sold within the European Economic Area (EEA)



FDA defines a radiation-emitting electronic product as any electrically-powered product that can emit any form of radiation on the electromagnetic spectrum.

## — EUROPE ONLY —

This marking shown on the product or its literature, indicates that it should not be disposed with other commercial wastes at the end of its working life.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Commercial users should contact their distributor where they purchased this product from for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract.

This product should not be mixed with other commercial wastes for disposal.



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### **Technical Specifications**

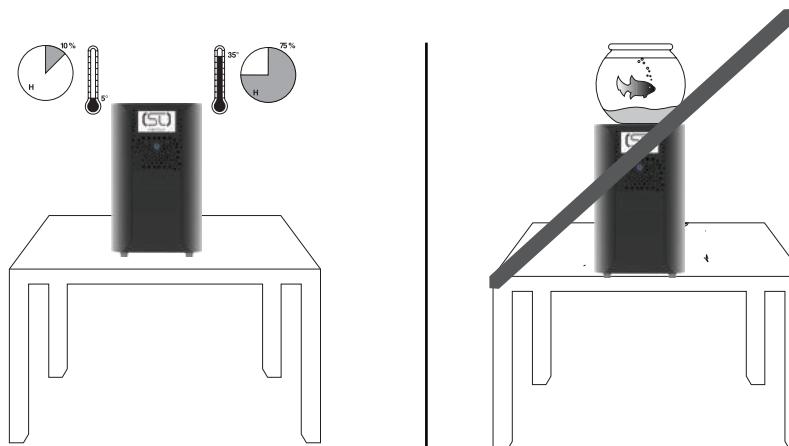
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**10.**

### **Customer Care**

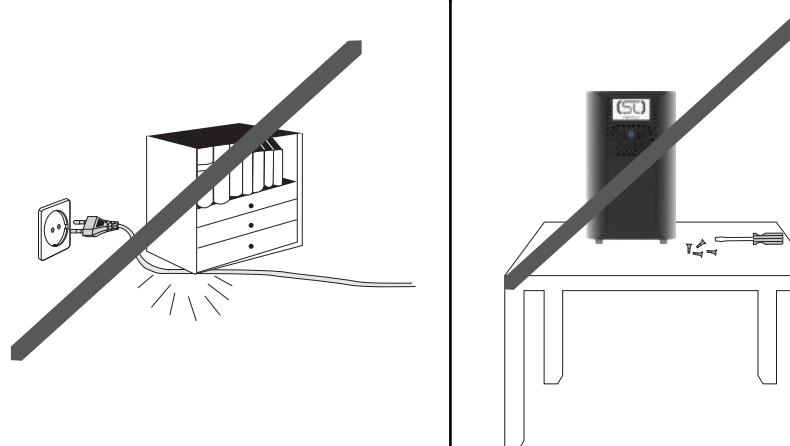
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Ambient operating conditions:  
Ambient temperature - 5°C-35°C  
Humidity - 10-75%



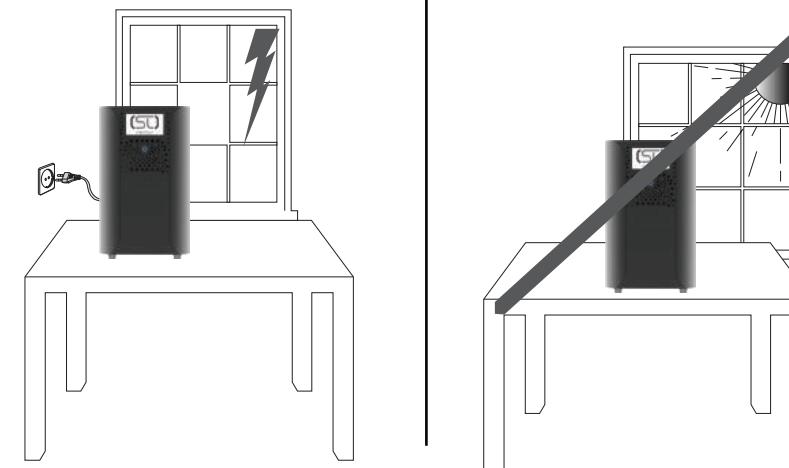
Do not place potted plants or  
Vases on top of the machine.  
Moisture entering the unit could  
lead to dangerous electric shock  
and can cause equipment damage.  
in such event immediately disconnect  
the main plug from the socket

Do not place heavy items on  
the main lead. Main cable damage  
can lead to damage of the  
equipment (fire hazard) and  
can cause electric shock



Do not remove any equipment  
panels. The inside of the unit  
contains sensitive components  
that may malfunction if interfered  
with.

During thunderstorms, disconnect  
the main plug from the socket.  
Main voltage peaks due to  
lightning could damage the unit.



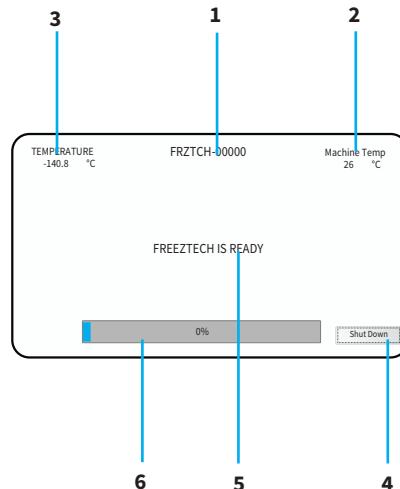
Do not expose the machine to  
direct sun radiation or other heat  
sources. This could lead to  
overheating and malfunction the  
Machine



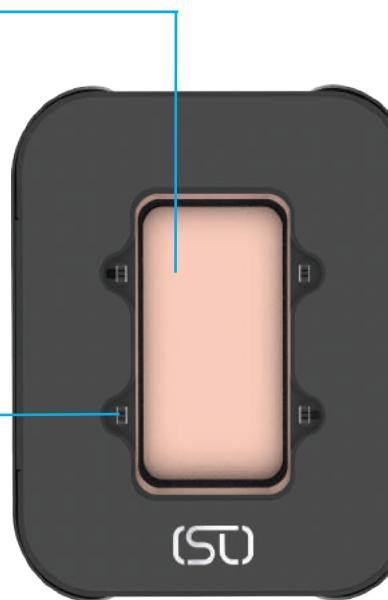
1. LCD Touch screen Display
2. User interface button



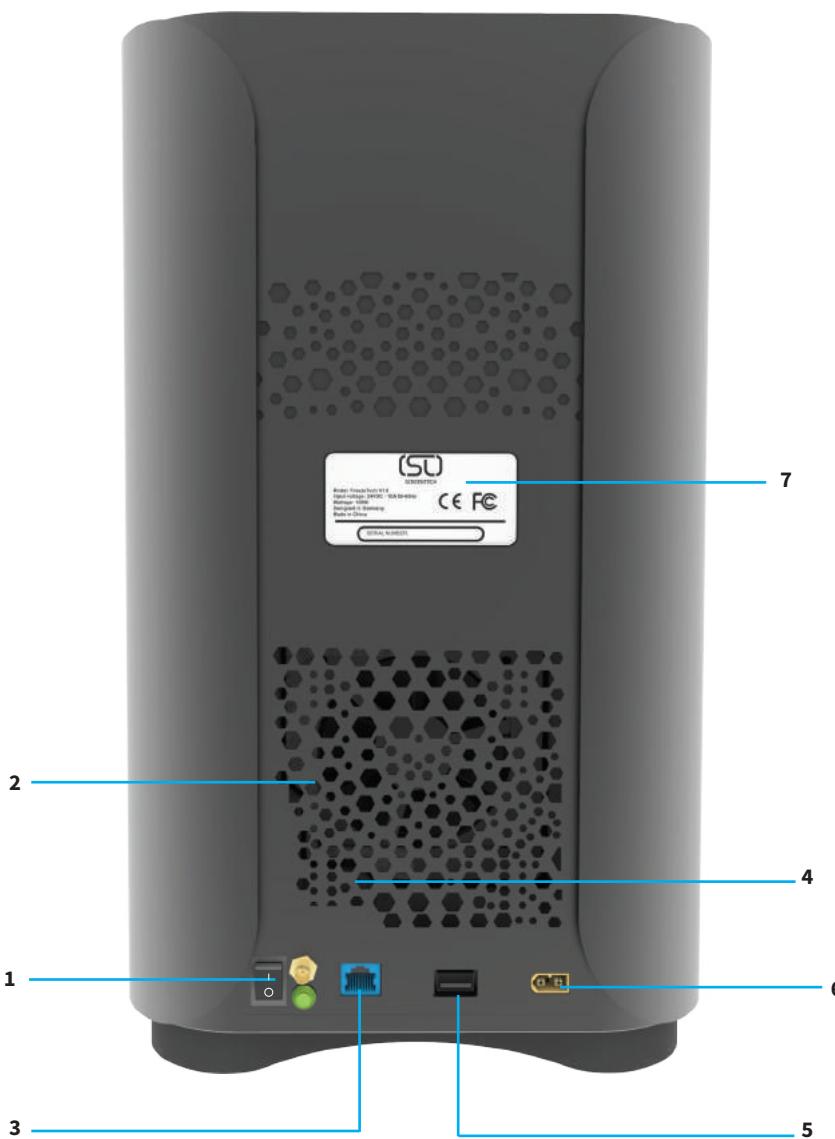
1. Push center release Lid for auto LID opening



1. Machine ID and Serial number
2. Machine engine temperature
3. Cold plate temperature
4. Engine shutdown button
5. System status information
6. Percentage progress bar



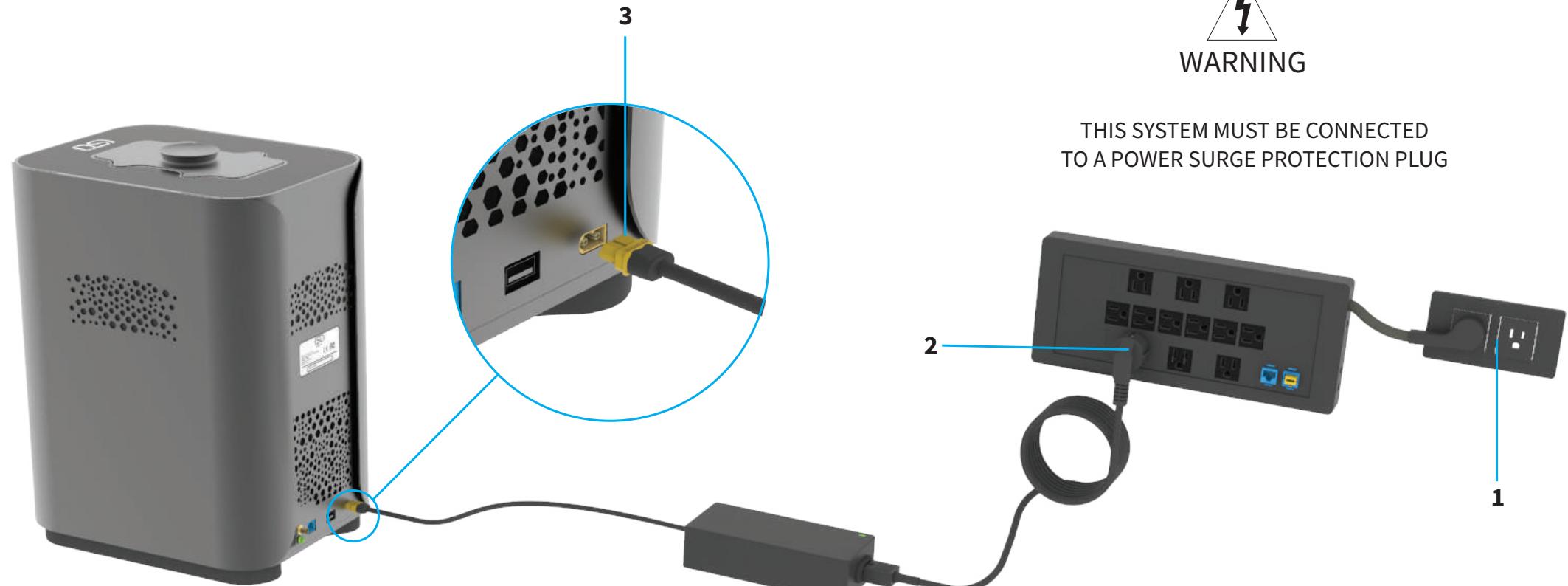
1. Copper cold plate
2. Push lock clips



- 1. Power switch**
- 2. WPS enable button**
- 3. LAN IOT Ethernet connection point**
- 4. System reset factory button**
- 5. USB interface connection point**
- 6. Power input socket**
- 7. Machine identification tag**



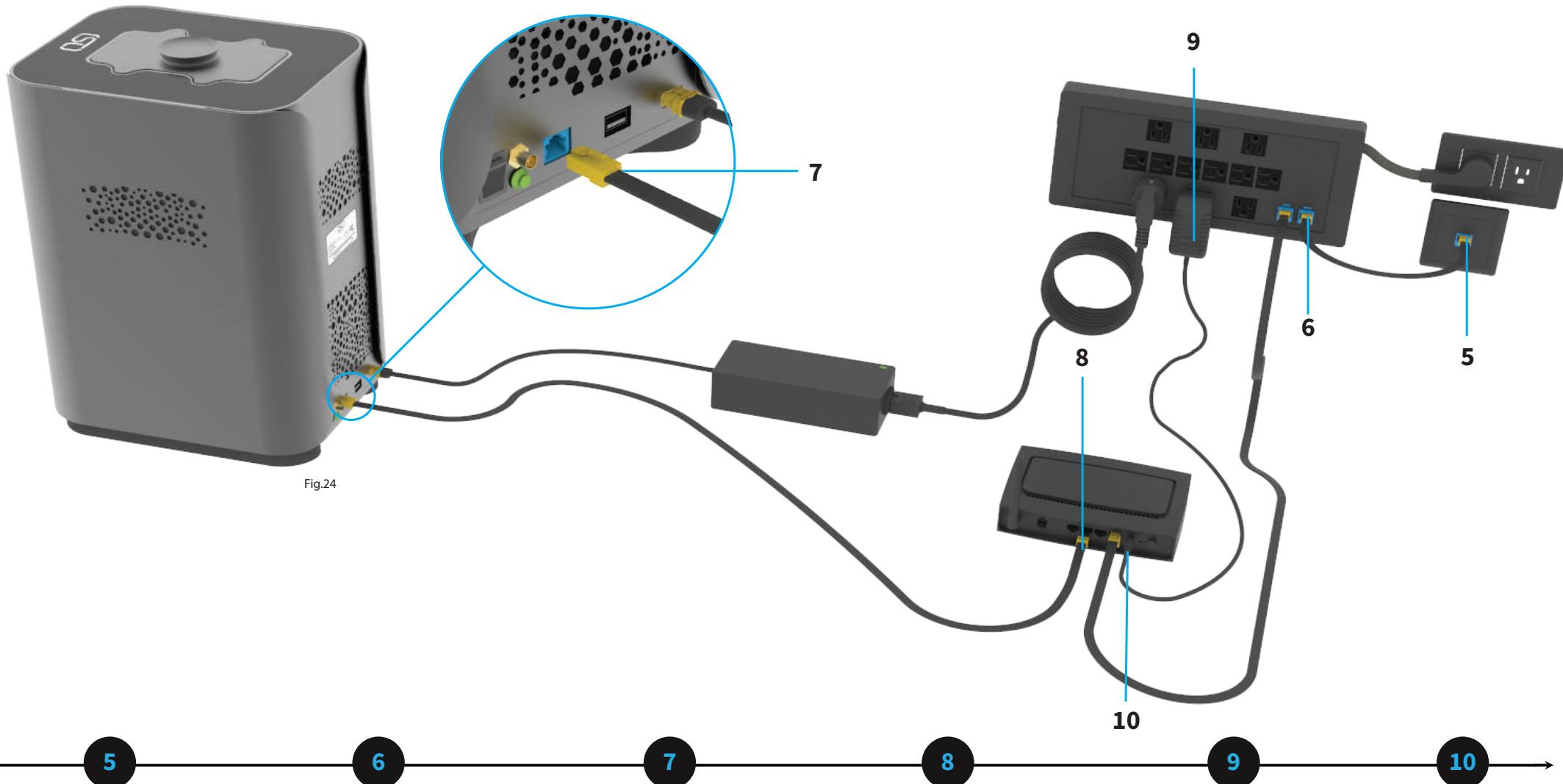
WARNING

THIS SYSTEM MUST BE CONNECTED  
TO A POWER SURGE PROTECTION PLUG

Connect the power cable  
to the wall socket

Plug the C13 socket into the  
power surge protection plug  
point

Insert the DC jack into the FreezeTech  
power inlet



5  
Connect the LAN cable into the ethernet wall socket port from the ISP

6  
Connect the LAN cable to the surge protector

7  
Connect the LAN cable into the ethernet port of the FreezeTech

8  
From the FreezeTech LAN connect to the modem directly

9  
Plug in the Switching power supply to the Surge Protector

10  
Power on the modem

11

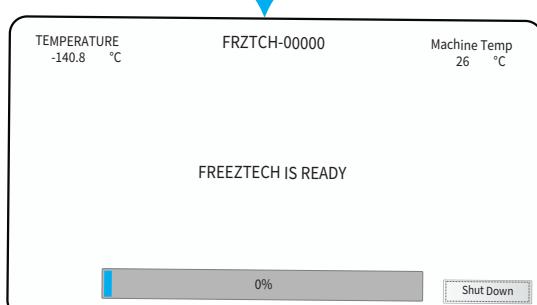
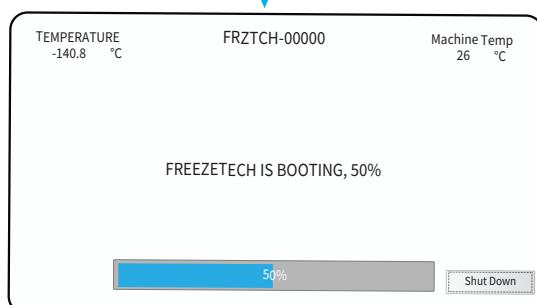


Toggle the power switch to power the FreezeTech

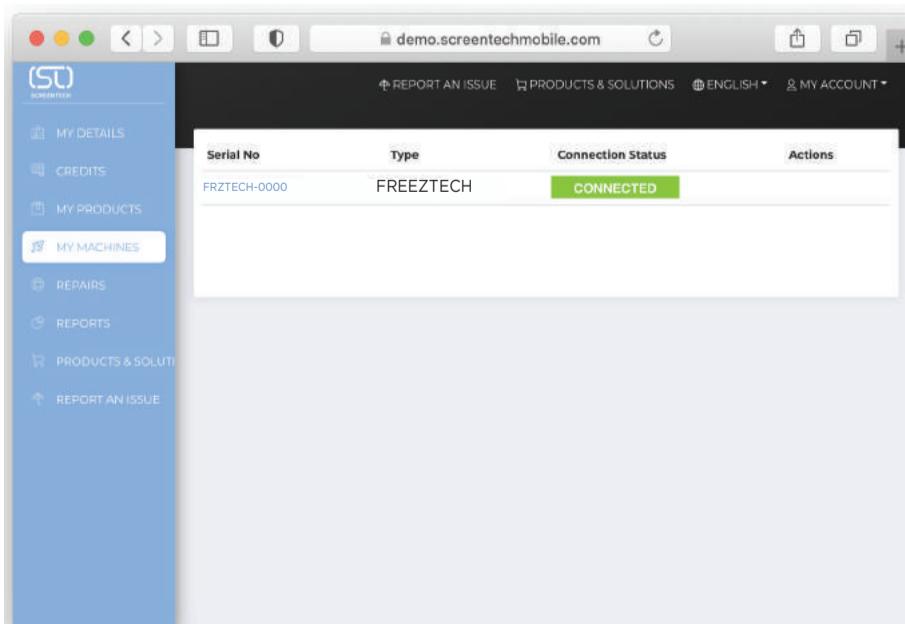
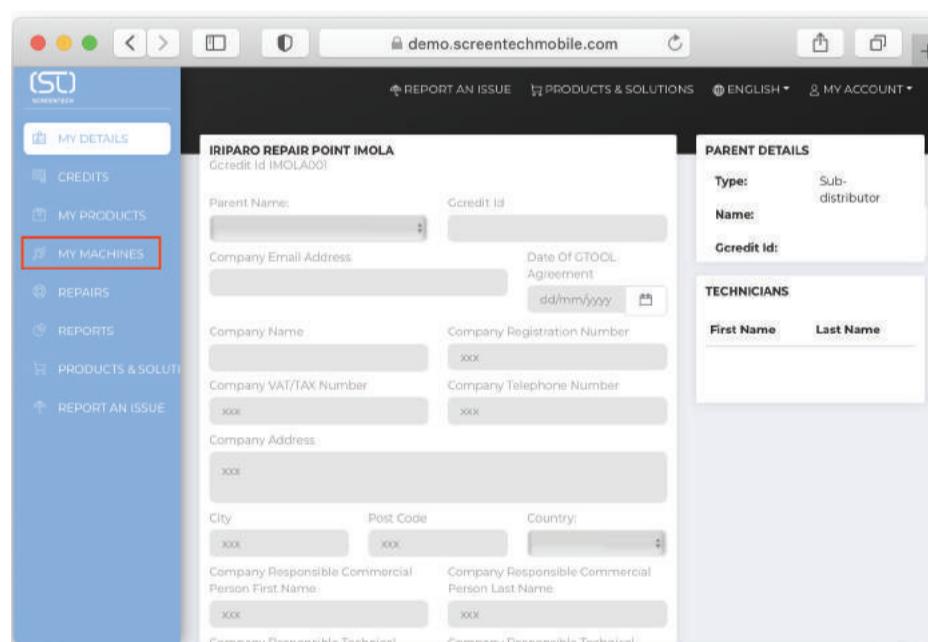
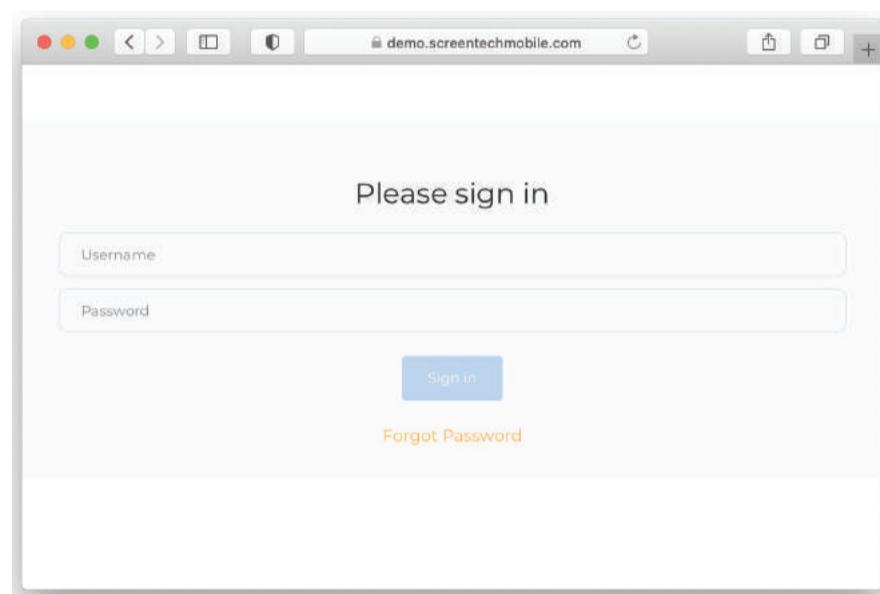
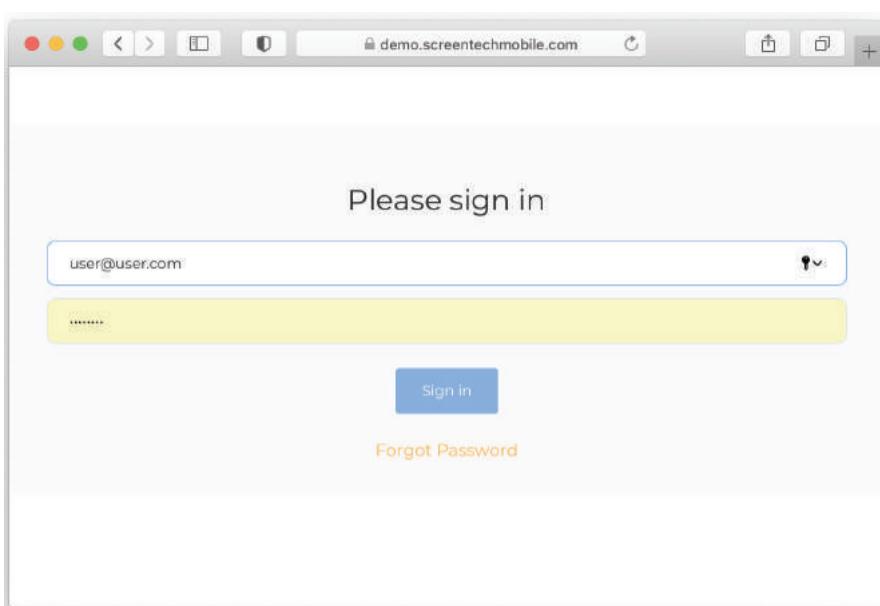
Power on to boot

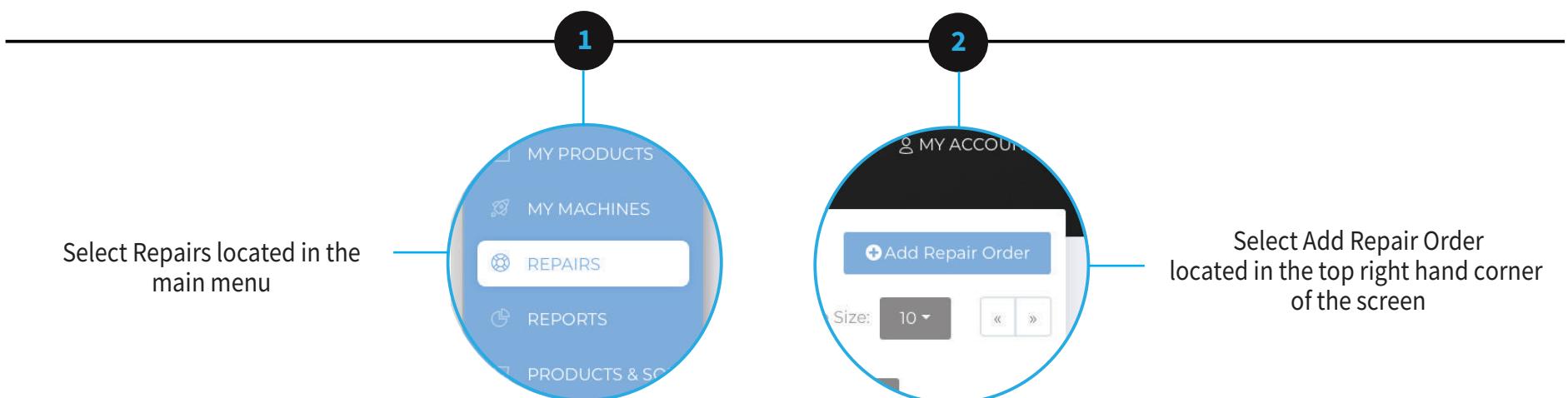
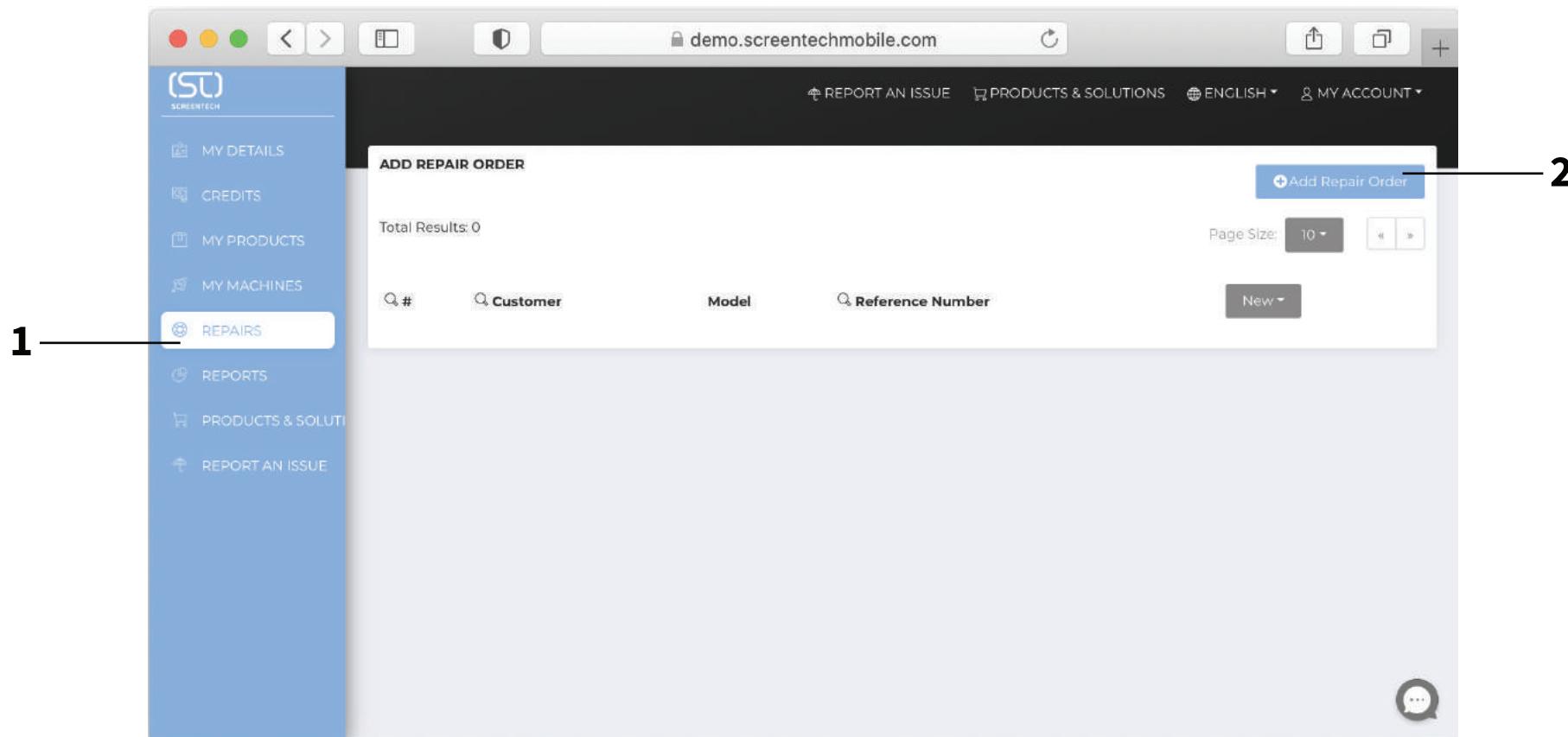
12

Press to boot



12





Customer:

Due Date:

Warranty Applicable:

Reference Number:

Phone Type:

Model:

Variant:

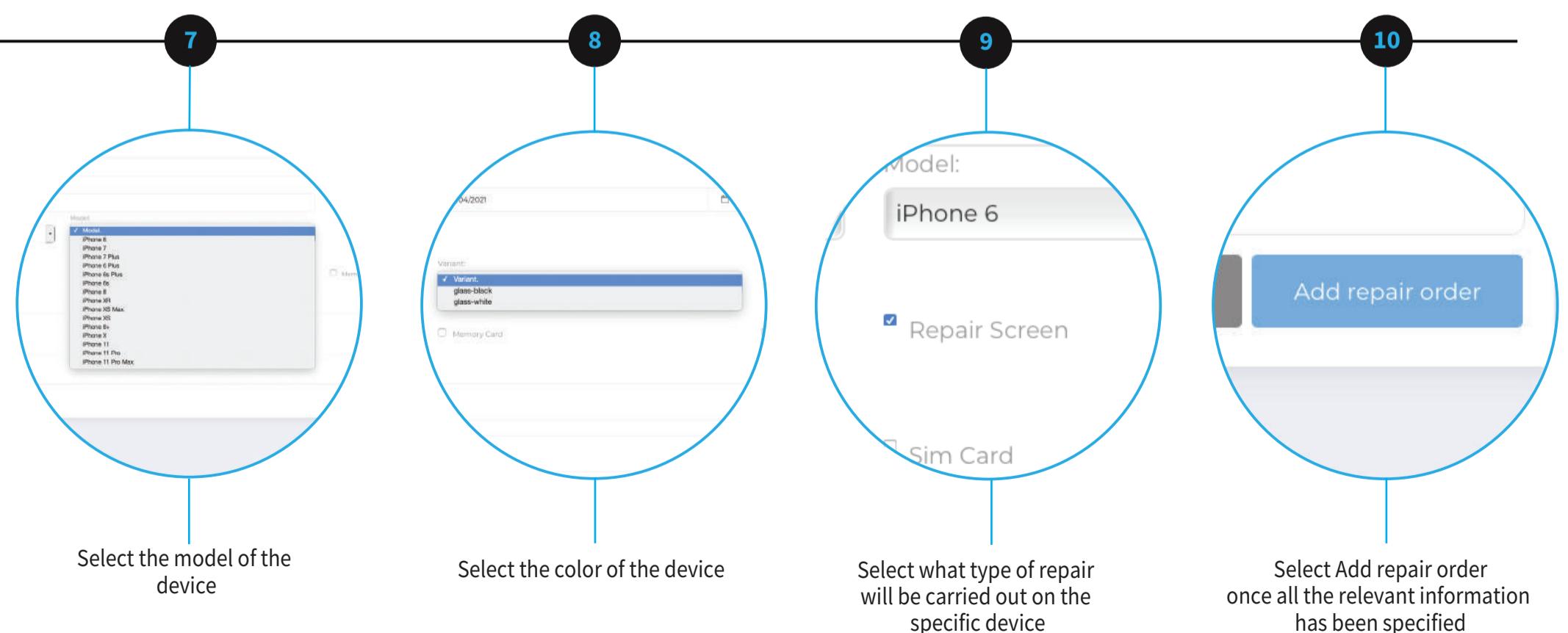
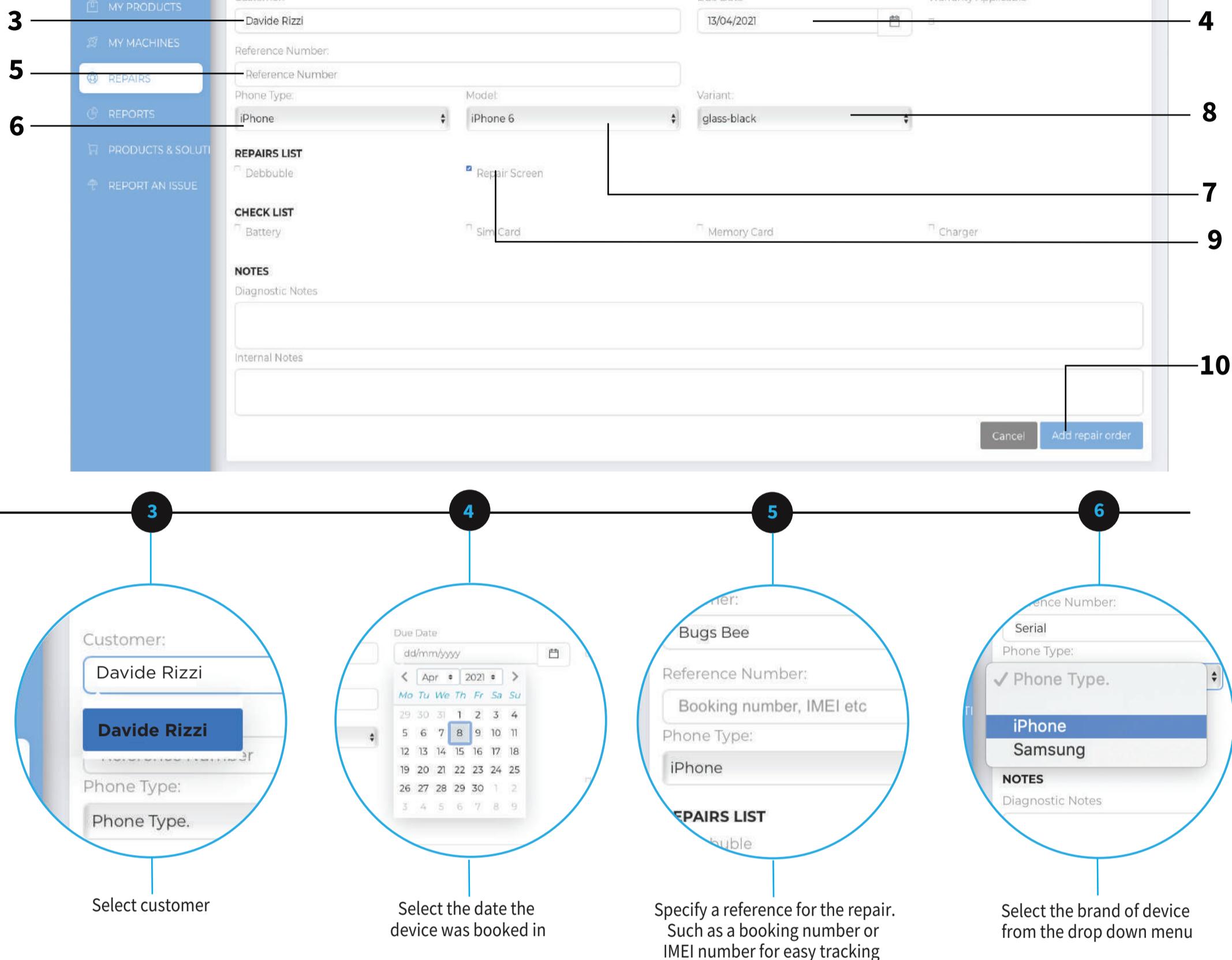
Repair Screen

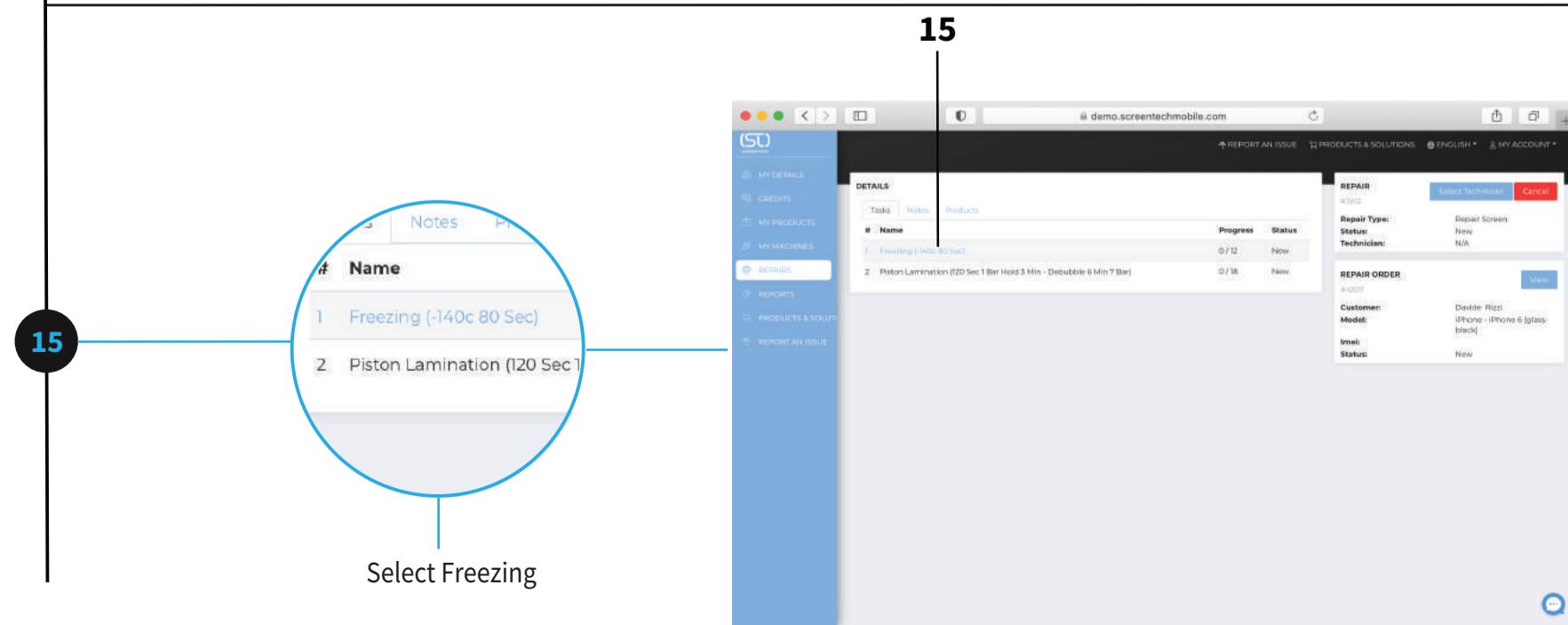
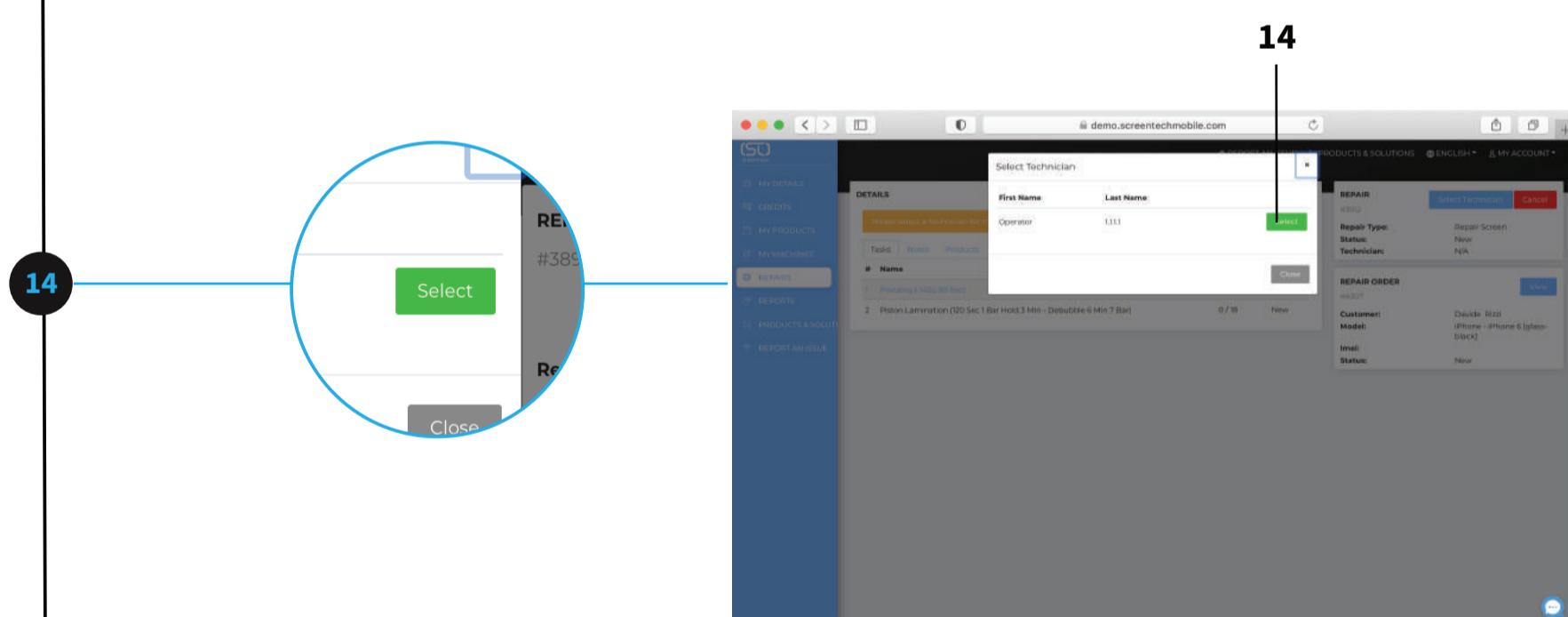
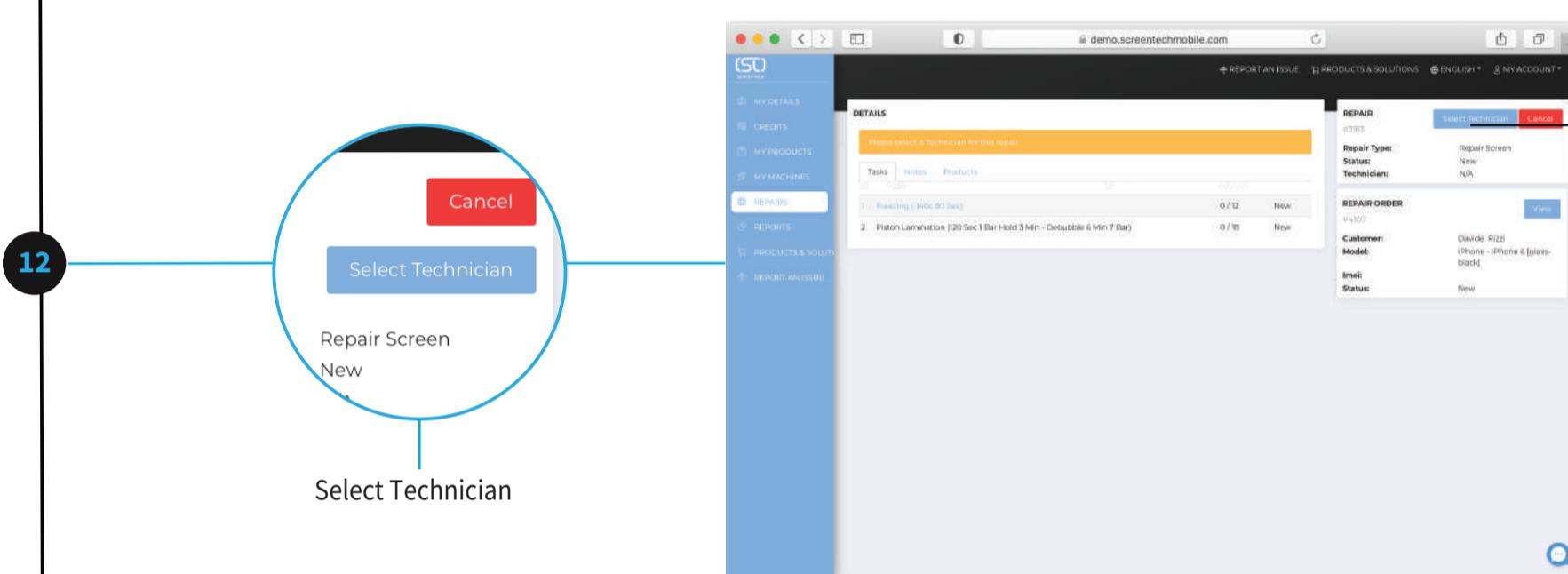
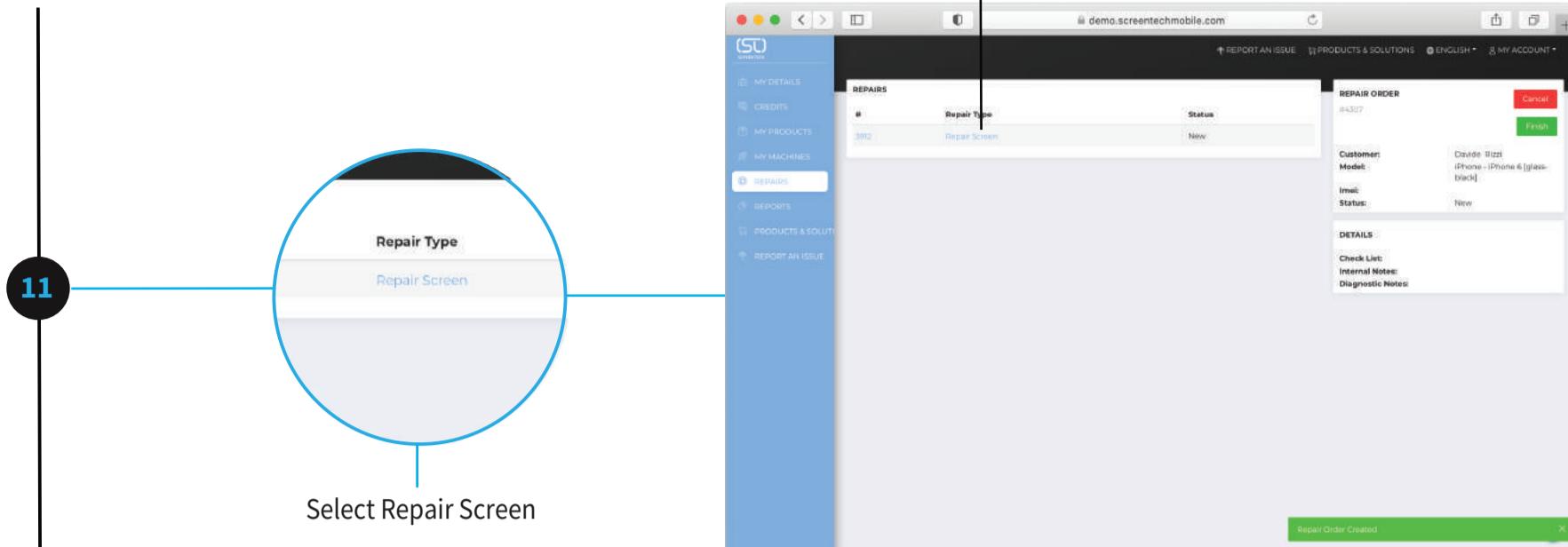
Sim Card

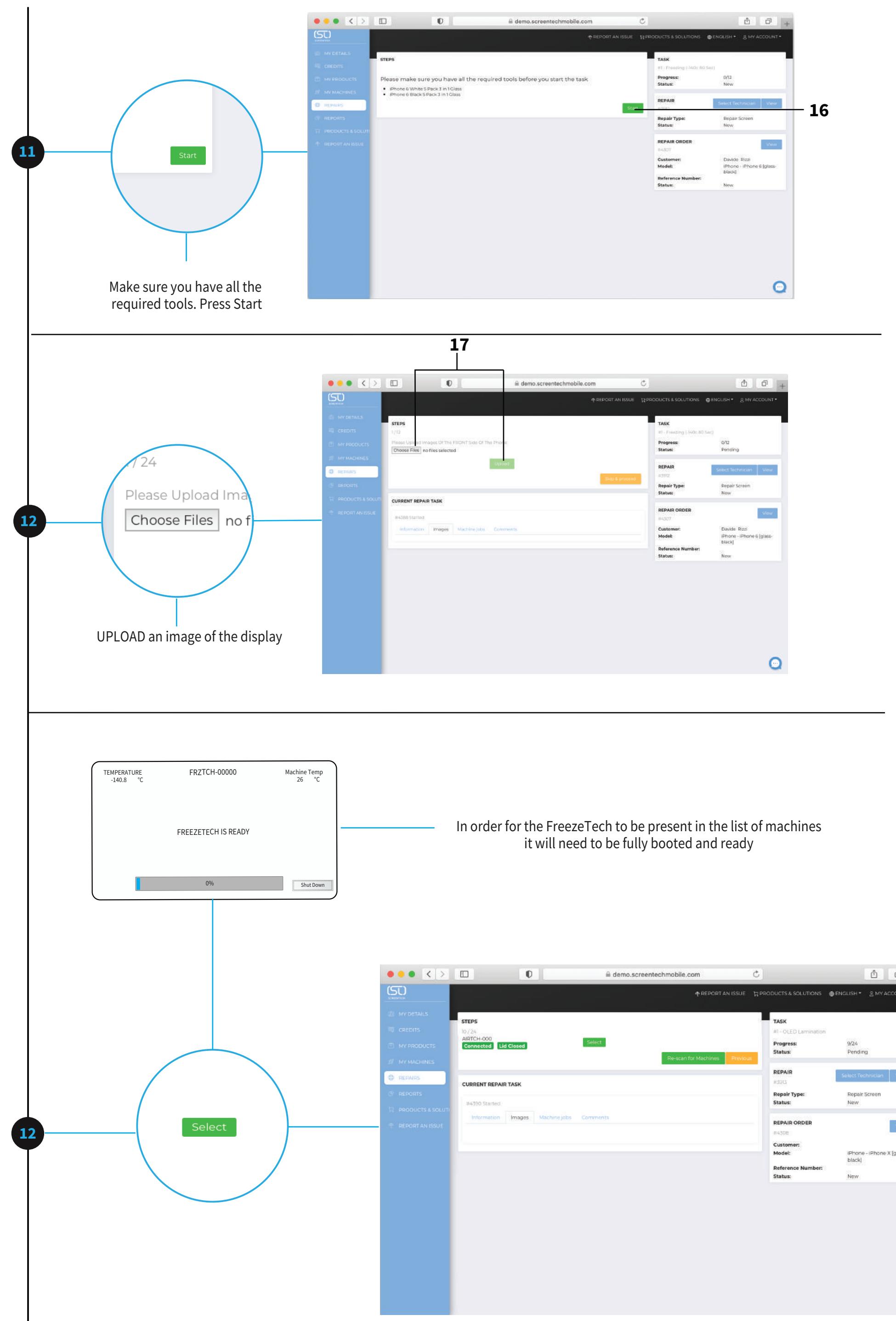
Memory Card

Charger

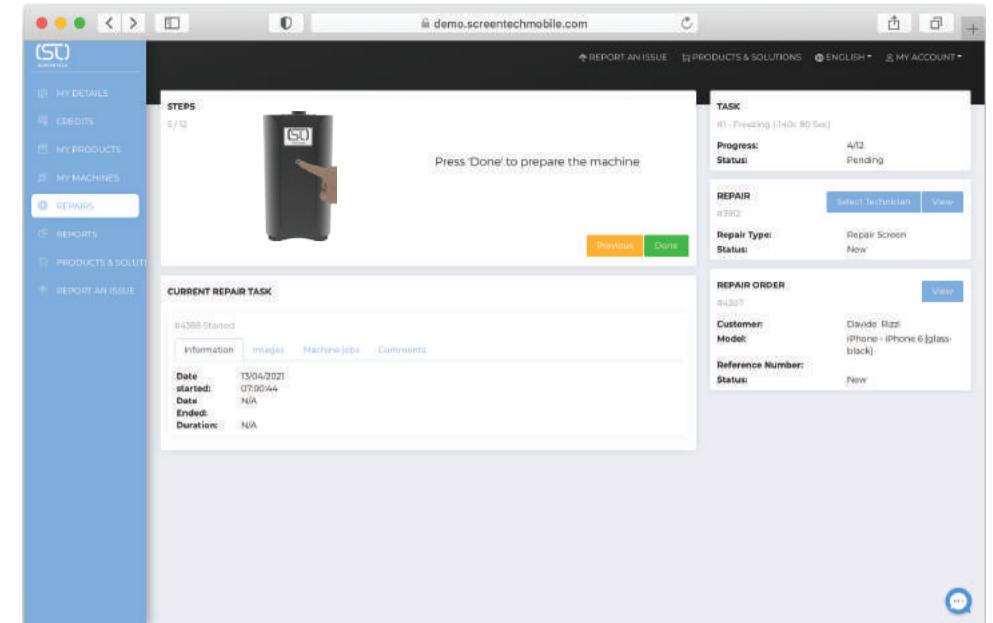
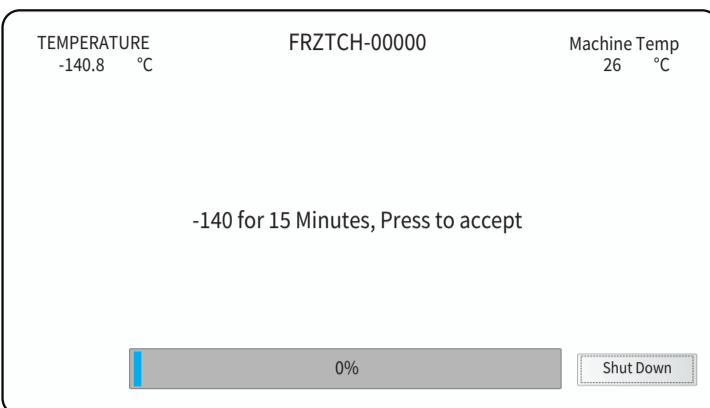
Cancel Add repair order



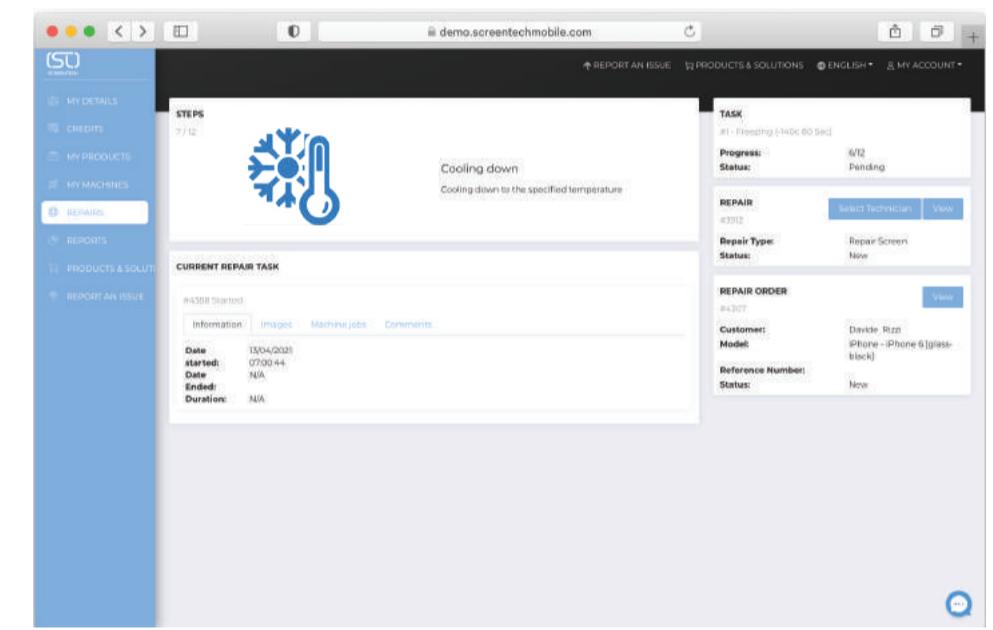
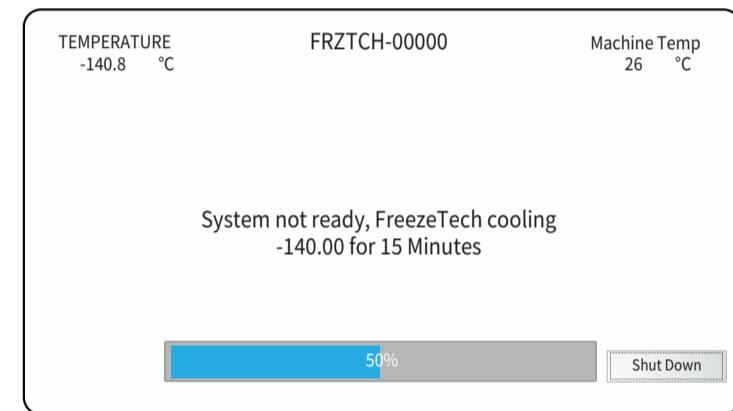




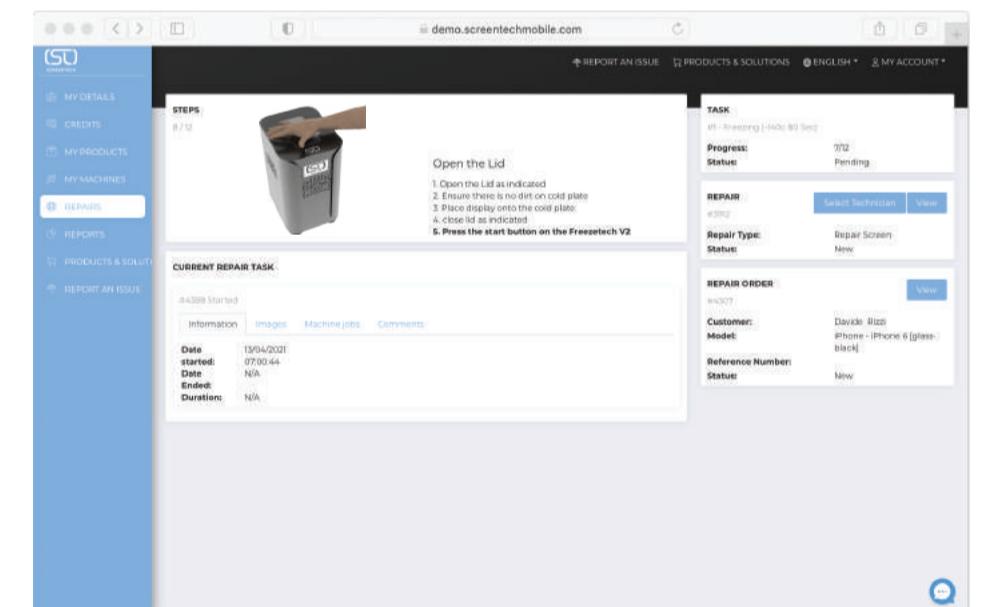
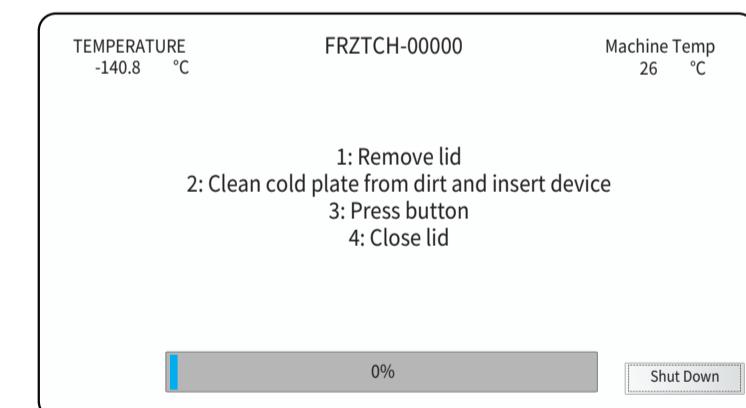
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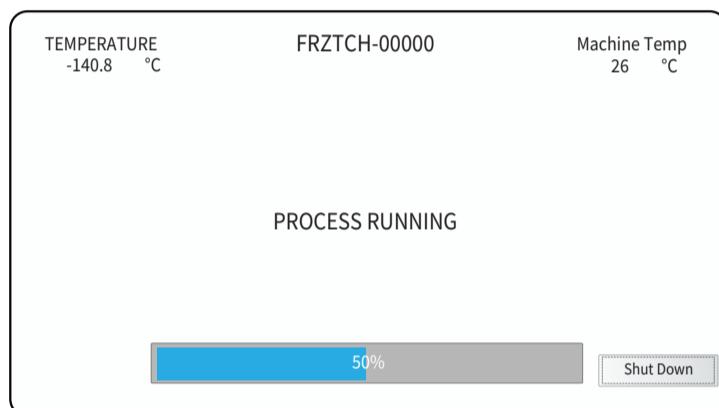
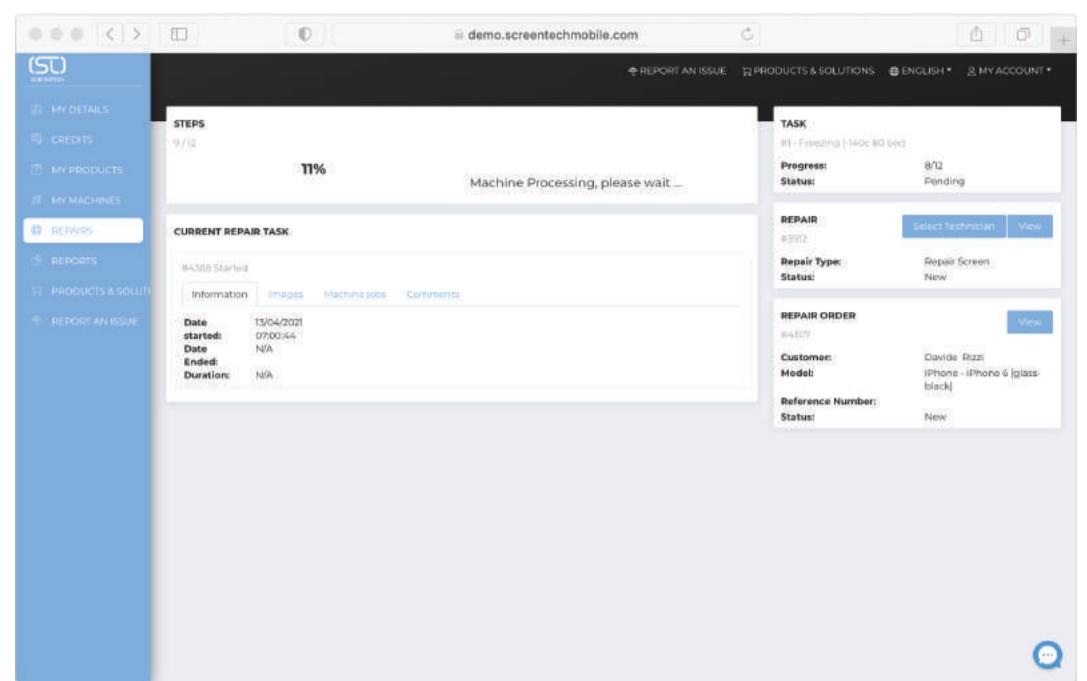
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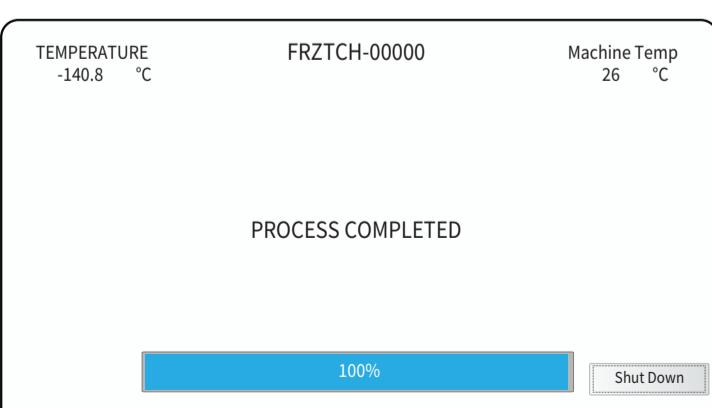
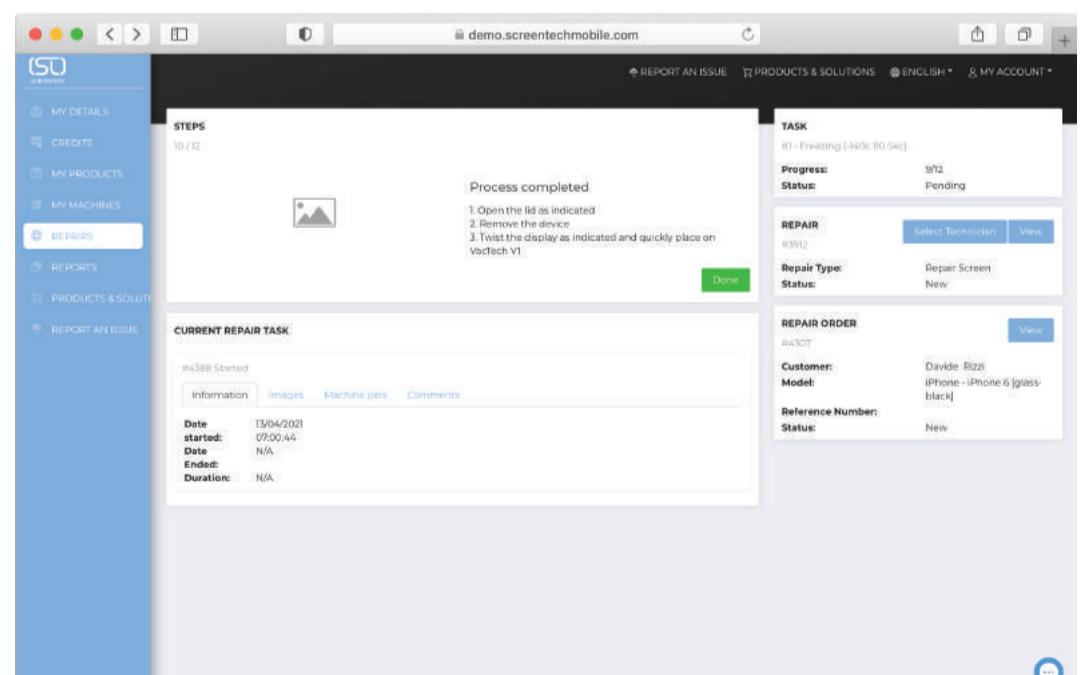
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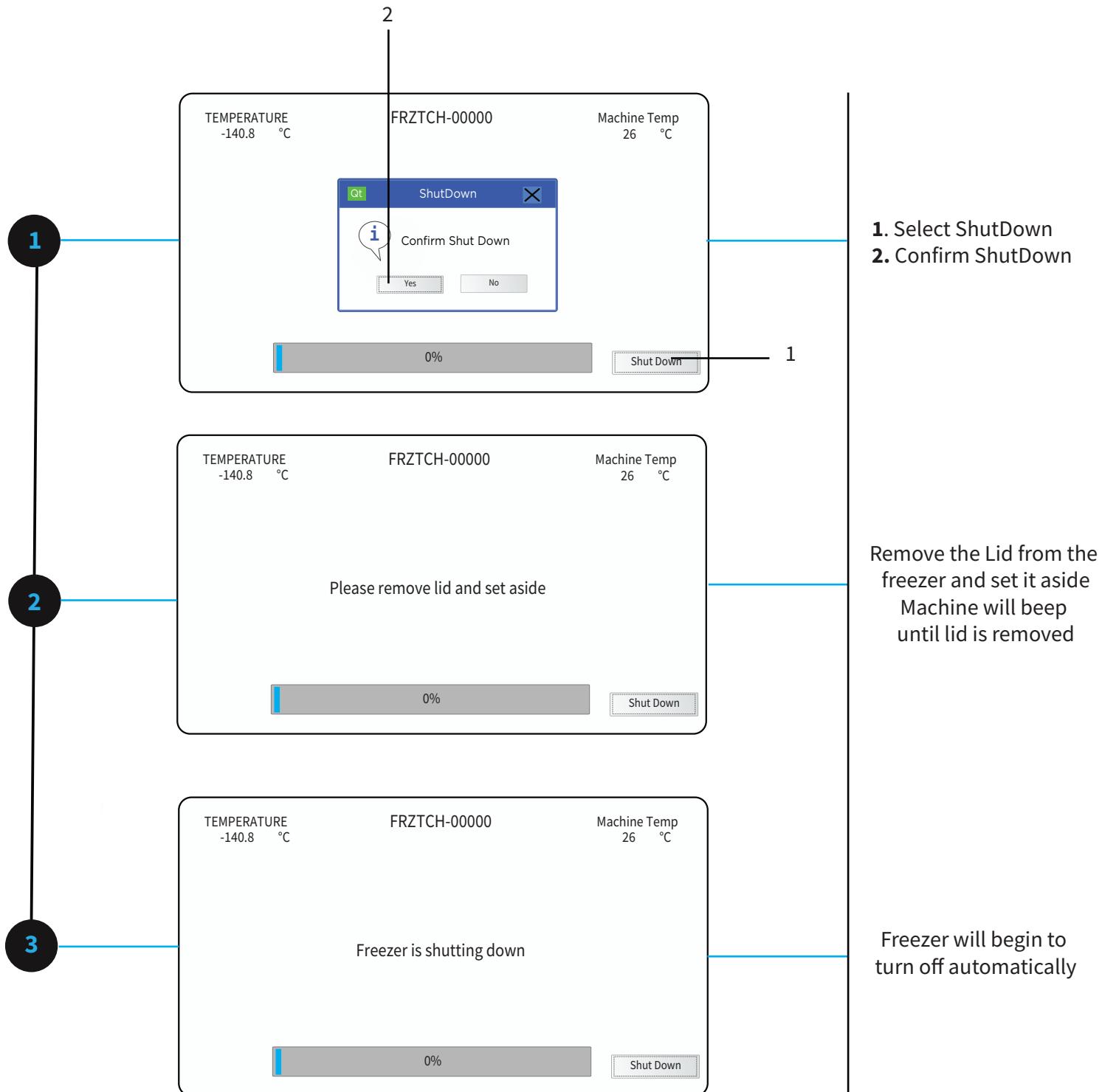


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SCREENTECH STRIVES TO IMPROVE ITS PRODUCTS AT ALL TIMES. BOTH THE DESIGN SPECIFICATIONS AND THESE USER INSTRUCTIONS ARE THUS TO SUBJECT TO CHANGE WITHOUT NOTICE.

### **POWER**

|                |                            |
|----------------|----------------------------|
| INPUT VOLTAGE  | Single Phase 110VAC/220VAC |
| OUTPUT VOLTAGE | 24VDC                      |
| FREQUENCY      | 50-60Hz                    |
| WATTAGE        | <= 150 WATTS               |

### **FEATURES**

|                     |                      |
|---------------------|----------------------|
| ENGINE              | STIRLING COOLER FPSC |
| ENGINE VOLTAGE      | 19V                  |
| FREQUENCY           | 80Hz                 |
| TEMPERATURE MINIMUM | -185C                |
| NOISE LEVEL MAXIMUM | <59DB                |
| CONNECTION IOT      | ETHERNET LAN         |

### **GENERAL**

|            |                       |
|------------|-----------------------|
| WEIGHT     | 42.4kg                |
| DIMENSIONS | 450MM x 355MM x 255MM |

| REGION        | COUNTRY   | CUSTOMER CARE CENTRE |
|---------------|-----------|----------------------|
| EUROPE        | GERMANY   | +46 0000 0000        |
|               | GREECE    | +46 0000 0000        |
|               | FRANCE    | +46 0000 0000        |
|               | ITALY     | +46 0000 0000        |
|               |           |                      |
| ASIA PACIFIC  | HONG KONG | +46 0000 0000        |
|               | AFRICA    | SOUTH AFRICA         |
| LATIN AMERICA |           |                      |

#### FCC Warning

This device complies with part 15 of the 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

#### Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.