

Maintenance Guide

Version 2.0AU

Reduce
Your Size



SCIZER

MFSU

MACRO FOCUSED SCANNING ULTRASOUND
Non-surgical Body Contouring System

Table of Contents

Components and Features

Maintenance Procedures

- Cleaning the Main Body and Hand-pieces
- Storage of the SCIZER

Water Management

- Inserting Water
- Draining Water

Cartridge & Hand-piece Management

- Storage of Cartridges
- Preparation of Cartridges
- Conducting a Test Shot
- Changing Cartridges
- Disconnecting Hand-pieces

Precautions

- Precautions for Hand-pieces and Cables
- Precautions for the System

Operational Guideline

- Graphical User Interface (GUI)
- Hand-piece User Interface (HUI)

Troubleshooting

- Standard Troubleshooting Procedures
- Troubleshooting Chart

Components and Features





SCIZER

MAINTENANCE

The following guidelines are intended for active management of the SCIZER Main Body. Refer to these instructions for a successful maintenance of the SCIZER and its components.



Maintenance Procedures

Cleaning the Main Body and Hand-pieces

When cleaning the SCIZER and its components, ensure that the System is turned OFF and disconnected from a power source for safety purposes.

Main Body

- Cleaning the Main Body is recommended every 2 weeks or on a regular basis.
- Apply 50-70% isopropyl alcohol on a soft cloth and proceed to clean.
- Wipe the smudges and any dirt from the exterior.

Hand-pieces

- Cleaning the Hand-pieces is recommended every 2 weeks or on a regular basis.
- Clean and sterilize the Hand-pieces with a standard 50-70% isopropyl alcohol prep pad.
- Clean and dry the window surface of the Cartridge with care to ensure no physical damage is incurred.
- Check that the window of each Cartridge has no remaining water residues at all times.

⚠ Keep the SCIZER Main Body, Hand-pieces, and Cables dry and out of direct contact with any liquids.



Maintenance Procedures

Storage of the SCIZER

Ensure to always store the SCIZER under the following environmental conditions:

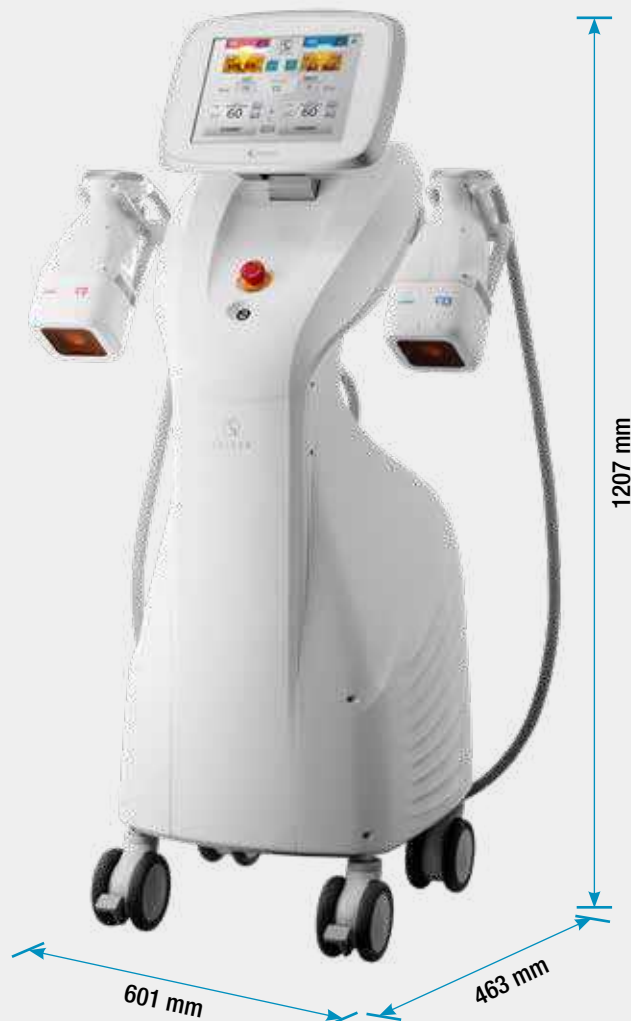
Operating Environment

- Temperatures of 10°C-35°C
- Relative Humidity of 0%-90%
- Air Pressure of 500hPa-1060hPa

Shipping and Storage

- Temperatures of 5°C-60°C
- Relative Humidity of 0%-90%
- Air Pressure of 500hPa-1060hPa

Ensure to allow a clean, safe and sufficient working space for practitioners to operate the SCIZER. Refer to the following System dimensions.



Water Management

Inserting Water

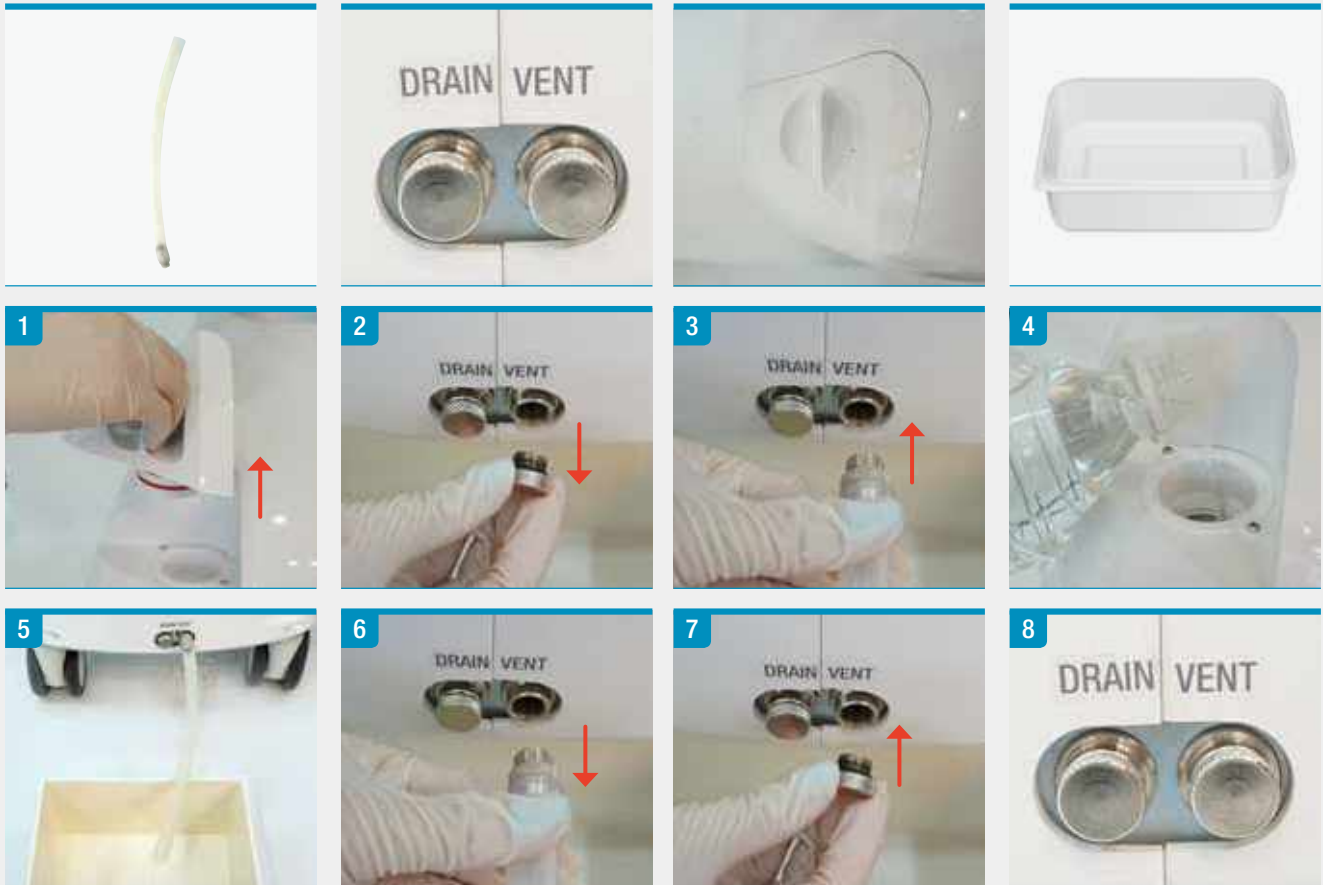
Before inserting water into the Main Body, ensure that the System is turned OFF for safety purposes.

Insert water slowly to prevent the water filter from overflowing.

For the Hand-pieces of the SCIZER to function with a sufficient amount of water during treatment, insert water until the tank is full before turning the System ON. When water successfully circulates through both Hand-piece Cables, turn the System OFF and insert additional water until the tank is full.

*Refer to the SCIZER Installation Guide for more detailed instructions.

⚠ Keep the treatment area dry and safe at all times following both water insertion and drainage procedures.



Water Management

Draining Water

Before draining water from the Main Body, ensure that the System is turned OFF for safety purposes.

When draining water from the Main Body, check that the container for receiving water holds a capacity of more than 3 Liters.

*Refer to the SCIZER Installation Guide for more detailed instructions.

⚠ Keep the treatment area dry and safe at all times following both water insertion and drainage procedures.



Cartridge & Hand-Piece Management

Storage of Cartridges

In order to maintain the condition of idle Cartridges, perform the following precautionary measures:

- Before storing the Cartridges, check that the window of each Cartridge has no remaining water residues at all times.
- When the SCIZER System is idle with the Cartridges connected to the Main Body, attach a Cartridge Cover to the window surface to avoid physical damage or exposure to dust particles and sunlight.
- Cartridges that are not connected to the Main Body should be stored in a cool and dry environment with Cartridge Covers attached to prevent the window surface from being exposed to dust particles and sunlight.



Cartridge & Hand-Piece Management

Preparation of Cartridges

Before connecting a new or used Cartridge to the Hand-piece, perform the following precautionary measures before proceeding with treatment:

- Check that the input component of the Cartridge is in center placement to secure proper alignment with the metal conduit of the Hand-piece.
- Adjust the placement with a fitting cap if the input is out of position.

⚠ Do not use any other tools or objects to adjust the input of the Cartridge as it may cause physical damage to the component.



Cartridge & Hand-Piece Management

Conducting a Test Shot

To ensure that Cartridges & Hand-pieces function properly during treatments, refer to the following:

1. Set the following parameters on the Graphical User Interface (GUI):

- Energy Setting : 0 J/cm²



- Shot Pattern : 8x8



2. Press 'READY' on the Graphical User Interface (GUI) to activate the Hand-piece.

3. Remove the Hand-piece from its respective Hand-piece Holder and proceed to hold down the Shot Button located on top of the Hand-piece until the treatment pattern is completed.

4. Check through the window surface and the Graphical User Interface (GUI) that each transducer is moving according to the treatment pattern selected.

5. If an error occurs, contact the CLASSYS service team.

*Ensure to check both Hand-pieces before use on a regular basis.



Cartridge & Hand-Piece Management

Changing Cartridges

Before connecting or disconnecting the Cartridge from the Hand-piece, ensure that the System is turned OFF for safety purposes.

Connecting Cartridges

Each SCIZER Hand-piece is fitted with Cartridges for applying treatment to skin.

For successful connection of the Cartridge to the Hand-piece, place the Cartridge on a dry, flat surface with the window surface face down.

After aligning the connectors of both components, insert the metal conduit of the Hand-piece into the input and secure a firm connection.

After connecting the Cartridge to the Hand-piece, push and slide in the plastic latch to secure successful connection between both components.



Cartridge & Hand-Piece Management

Changing Cartridges

Before connecting or disconnecting the Cartridge from the Hand-piece, ensure that the System is turned OFF for safety purposes.

Disconnecting Cartridges

For successful disconnection of the Cartridge from the Hand-piece, place the Cartridge on a dry, flat surface with the window surface face down.

Use the handles located on opposite ends of the plastic latch and proceed to pull and slide the latch outwards to unlock the Cartridge from the Hand-piece.

Slowly pull and lift the Hand-piece from the Cartridge.

⚠ If the Cartridge has been in use, slowly disconnect the Cartridge from the Hand-piece as water remaining within the component may leak or spatter once disconnected.



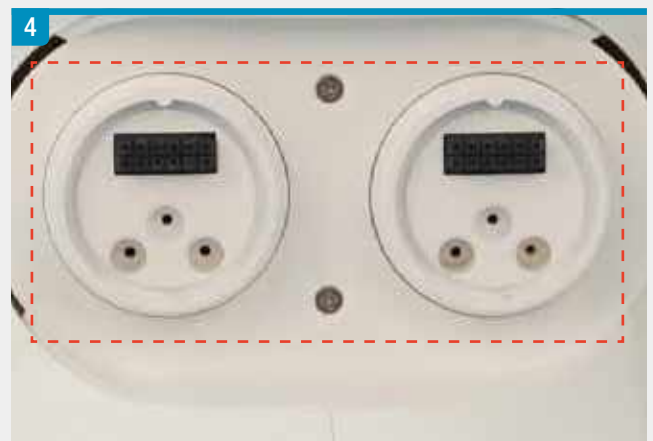
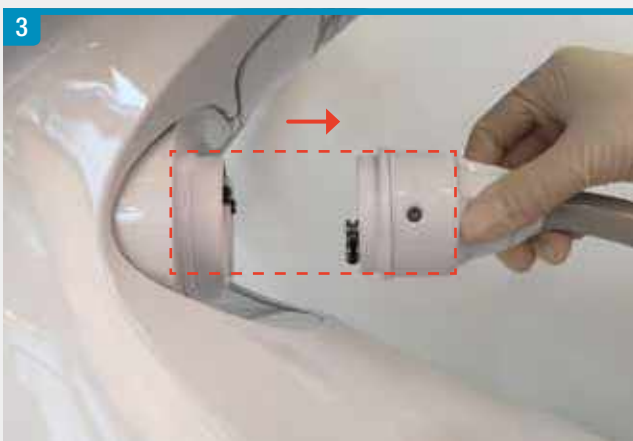
Cartridge & Hand-Piece Management

Disconnecting Hand-pieces

Before disconnecting the Hand-pieces from the Main Body, ensure that the System is turned OFF for safety purposes.

Ensure that both Hand-pieces are firmly in the Hand-piece Holders to avoid any physical damage from occurring. For a successful disconnection of Hand-piece Cables from the Main Body, turn the plastic lock ring left to loosen and detach from the outlet.

Slowly disconnect the SCIZER Hand-piece Cable as water may leak or spatter from the System outlet or Hand-piece Cable input.

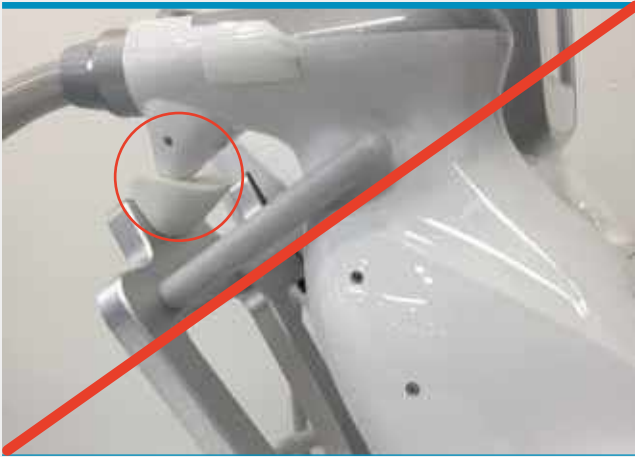


Precautions

Precautions for Hand-pieces and Cables

Proper Placement of Hand-pieces

For safe placement into the Hand-piece Holder, place the Hand-piece's top end onto the rubber receiver to avoid dropping the Hand-piece and causing any physical damage.



Precautions for Cables

Check that the Cables are not entangled to avoid safety hazards from occurring.



Precautions

Precautions for the System

Precautions for an Idle System

If the SCIZER has been idle for extensive periods of time, it may require some precautionary measures:

- Insert or replace water in the SCIZER System.
- Clean the exteriors of the Main Body and Hand-pieces.
- Ensure that there are no dust particles, dirt or water residues on the window surface of the Cartridges.
- Conduct a test shot to ensure that Hand-pieces function properly.
- Check that the Emergency Switch located in front of the Main Body functions accordingly while the System is ON.



Procedures with the System OFF

Turn the System OFF as a precaution for the following procedures:

- Insertion or drainage of water
- Connecting or disconnecting components from the Main Body
- Moving the device from one location to another

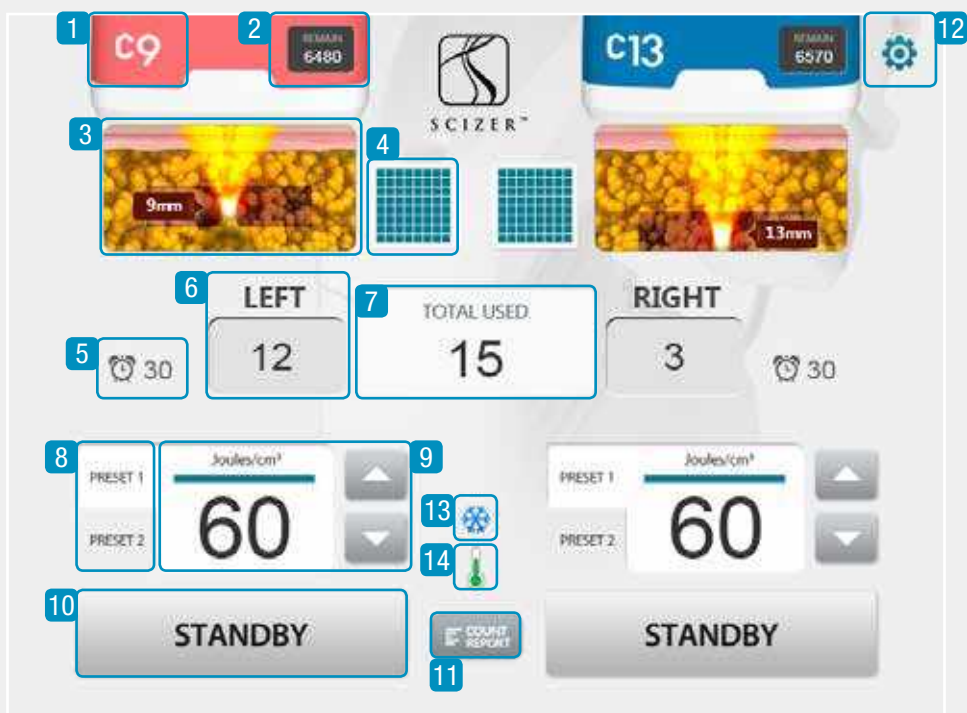
*To turn the System OFF properly, turn the key counterclockwise and proceed to press the 'O' symbol on the AC Power Switch before disconnecting from the power outlet.



Operational Guideline

Graphical User Interface (GUI)








The Graphical User Interface displays a combination of functions necessary for effective operation of the SCIZER.



No.	SYMBOL	DESCRIPTION
1		Cartridge information (Ex: C9-9.0mm Cartridge)
2		Remaining Fluence count (Ex: 6480 J/cm ² remaining)
3		Skin layer image






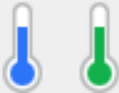

Operational Guideline

Graphical User Interface (GUI)

No.	SYMBOL	DESCRIPTION
4		Screen to select treatment pattern to customize transducer movement over the Cartridge treatment area *Refer to the TX Pattern Interface in the following section
5		Shot Count Setting Alarm Adjustable alarm setting for shots. A beeping sound occurs to notify the User when value reaches 0.
6		Used shot count for Left Hand-piece (Ex: 12 shots used) Used shot count for Right Hand-piece (Ex: 3 shots used)
7		Total shots used in session after System ON (Ex: 15 shots used in total after System ON)
8		Optional function for the user to apply multiple shots or set a program for treatment. *Refer to the Preset Configuration in the following section
9		The Fluence of energy is displayed in units of J/cm ² . The fluence values are adjustable using the up and down buttons on the right hand side. Fluence values are adjustable between 30-60 J/cm ² in increments of 5 J/cm ² (Ex: 0, 30, 35, 40, 45, 50, 55, 60)
10		System status: START/STANDBY button

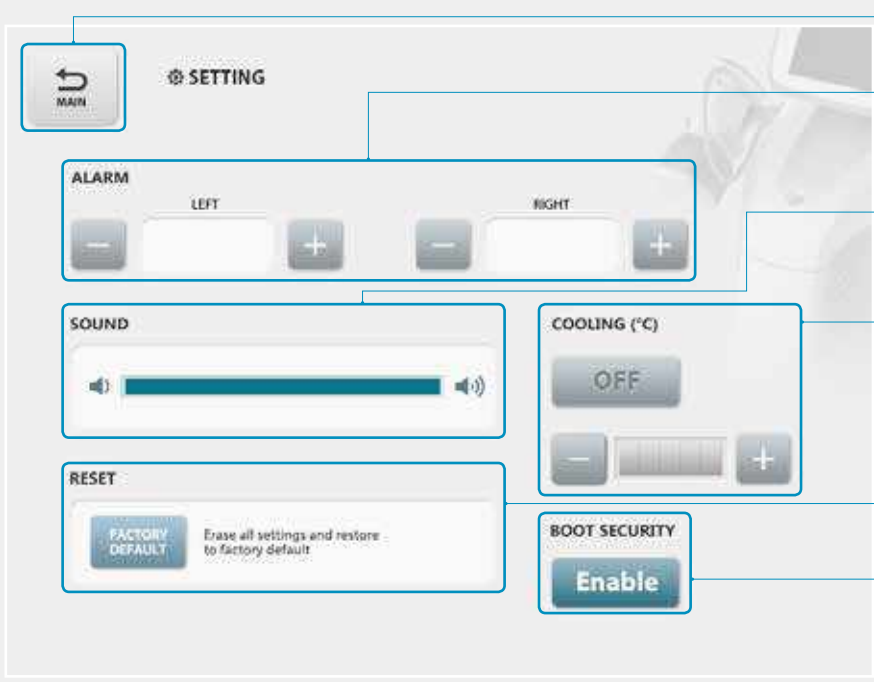
Operational Guideline

Graphical User Interface (GUI)

No.	SYMBOL	DESCRIPTION
11		Records shot count information *Refer to the Shot Count Report Interface in the following section
12		Configuration of volume control, factory default setting, alarms for individual Hand-pieces, cooling, boot security
		Chilling function status of the System
13		Chiller is OFF
		Chiller is ON and preparing for operation
		Chiller is ON and operating
		Temperature of water in circulation
14		If the temperature icon displays as blue or green, commence with treatment BLUE: Ready GREEN: Ready
		If the temperature icon displays as yellow or orange, the water circulating within the System requires further cooling YELLOW: NOT Ready ORANGE: NOT Ready

Operational Guideline

Settings Interface



The screenshot shows the 'SETTING' menu with the following options:

- Back to Main Screen**: A button with a left arrow and the word 'MAIN' below it.
- Shot Count Setting Alarm**: A section with 'ALARM' and 'LEFT' and 'RIGHT' sub-sections, each containing minus and plus buttons.
- Device Sound Settings**: A section with 'SOUND' and a volume slider.
- Contact Cooling Control**: A section with 'COOLING (°C)' and an 'OFF' button, and a slider below it.
- Factory Reset**: A section with 'RESET' and a 'FACTORY DEFAULT' button, with the text 'Erase all settings and restore to factory default'.
- Boot Security**: A section with 'BOOT SECURITY' and an 'Enable' button.

Boot Security Function



Enable
Requires verification of authorized use via password



Disable
All access granted without verification of authorized use



Optional settings to enable password authentication to access the System.

The default password is set as '1111'.

To reset the password, reboot the System and enter '999999' on the Boot Security keypad.

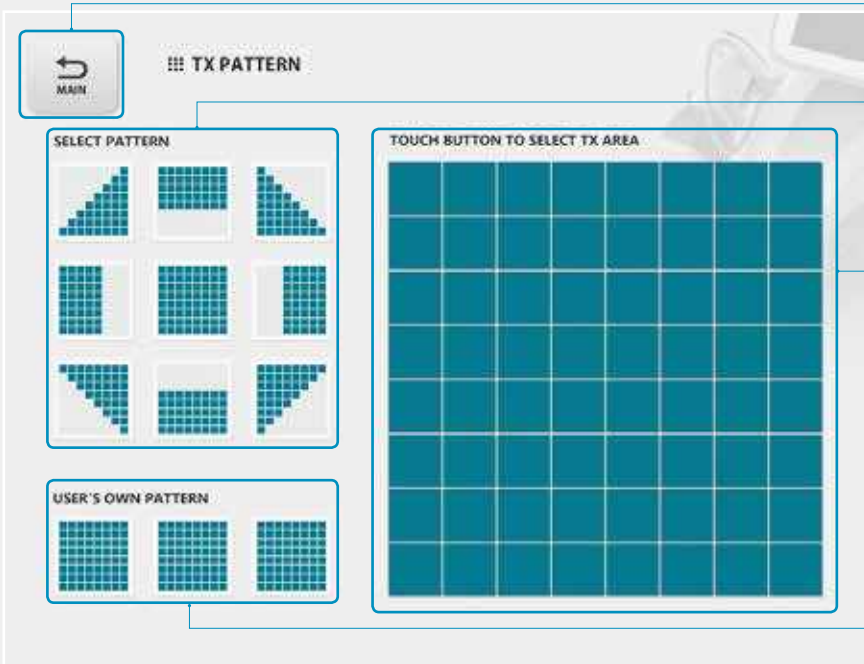
The current password must be entered once in order for the password to be changed.

Enter the current password once and then proceed to enter the new password twice to confirm the changes.

If you have lost your password, please contact the CLASSYS service team for assistance.

Operational Guideline

TX Pattern Interface



Back to Main Screen

Select Pattern

Select any existing treatment pattern and return to the Main Interface to proceed with treatment

Touch Button to Select TX Area

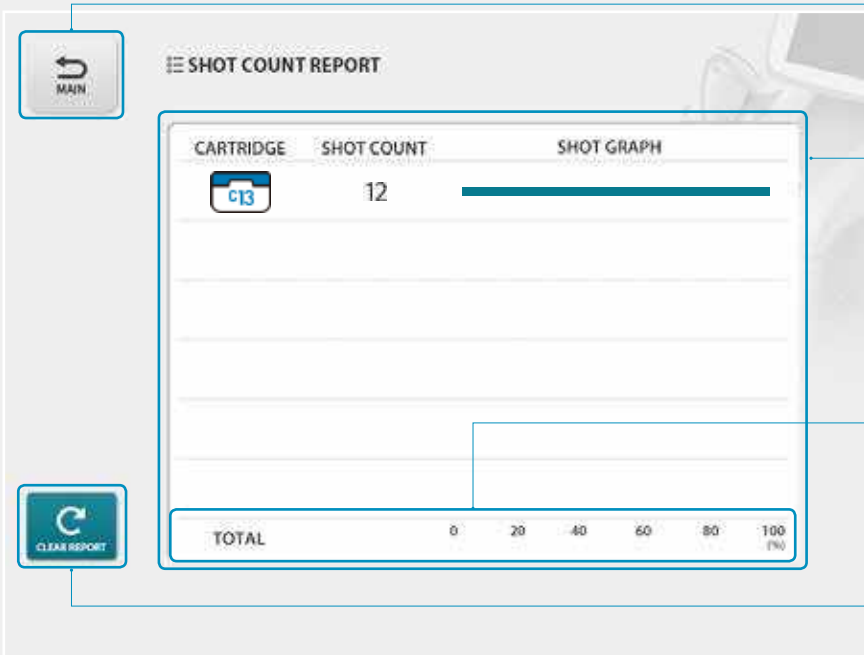
Design the shot pattern by selecting/unselecting boxes and return to the Main Interface to proceed with treatment

User's Own Pattern

Save treatment patterns by holding down any existing pattern to save to User's Own Pattern

To save a customized treatment pattern, hold down the User's Own Pattern which is to be replaced

Shot Count Report Interface



Back to Main Screen

Shot Count Information

Displays each Cartridge and number of shots used after System ON

Shots Used Percentage (%)

Displays the percentage of shots used per Cartridge from the total shot count

Clear Button

Resets saved information of shot counts

Preset Configuration

Optional function for the user to apply multiple shots at a time. Tap either Preset 1 or Preset 2 in order to change the setting from Single Shot Mode to Sequential Shot Mode.

*The minimum shot energy value is 30 J/cm². For Preset 2, if started at 30-35 J/cm² the value will remain at a minimum of 30 J/cm².

There are four different modes which are as follows:



PRESET 1

Preset 1 Single Shot Mode

With the shot button pressed for each pass, the shot energy will remain the same as the original parameter setting for a total of 3 passes.

Pass 1	Pass 2	Pass 3
Ex: 60 J/cm ²	60 J/cm ²	60 J/cm ²



PRESET 2

Preset 2 Single Shot Mode

With the shot button pressed for each pass, the shot energy will decrease by 5 J/cm² from its original parameter setting for a total of 3 passes.

Pass 1	Pass 2	Pass 3
Ex: 60 J/cm ²	55 J/cm ²	50 J/cm ²



PRESET 1

Preset 1 Sequential Shot Mode

With the shot button pressed only once, the shot energy will remain the same as the original parameter setting for a total of 3 consecutive passes.

Pass 1	Pass 2	Pass 3
Ex: 60 J/cm ²	60 J/cm ²	60 J/cm ²



PRESET 2

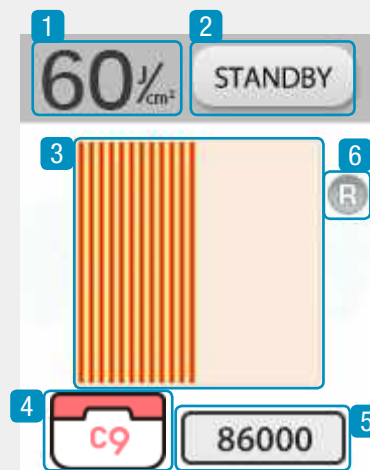
Preset 2 Sequential Shot Mode





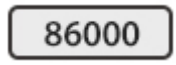

With the shot button pressed only once, the shot energy will decrease by 5 J/cm² from its original parameter setting for a total of 3 consecutive passes.

Pass 1	Pass 2	Pass 3
Ex: 60 J/cm ²	55 J/cm ²	50 J/cm ²

Operational Guideline

Hand-piece Interface (HUI)

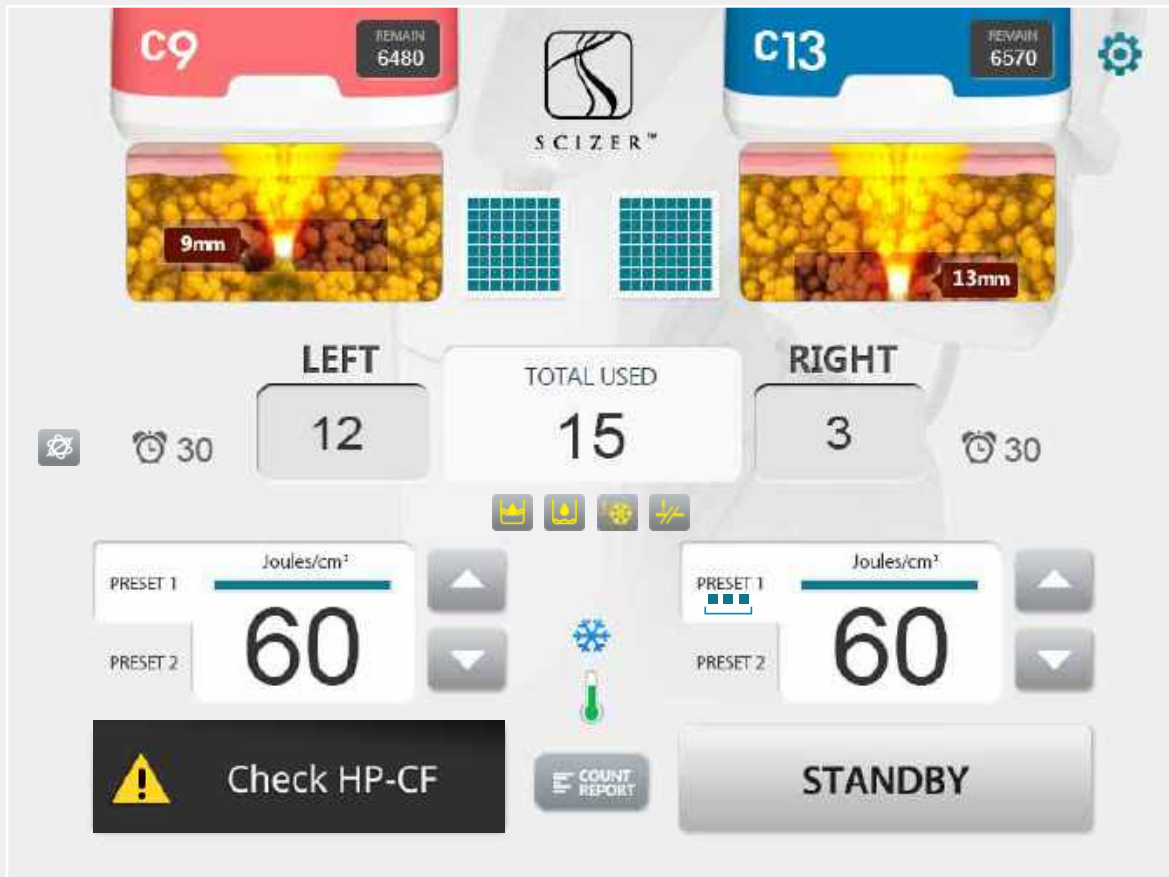


No.	SYMBOL	DESCRIPTION
1		Current energy setting displayed on Hand-piece (Ex: 60 J/cm ²)
2		System status: START/STANDBY button
3		Displays progress of transducer when treatment pattern is being applied
4		Displays the installed Cartridge information
5		Remaining shots of Cartridge (Ex: 86000 remaining shots)
6		Displays Hand-piece side (L: Left Hand-piece / R: Right Hand-piece)

Troubleshooting

Standard Troubleshooting Procedures






The SCIZER is designed with internal checks to ensure that all aspects of the equipment are functioning accordingly. Refer to the troubleshooting chart in this section when System errors occur.



Example of an error occurring on the Graphical User Interface





Troubleshooting

Troubleshooting Chart

No.	ERROR MESSAGE	DESCRIPTION & CORRECTIVE ACTION
1	 Check HP-CF	Malfunction of the transducer motion in the Cartridge has been detected. <ol style="list-style-type: none">1. Check that the Cartridge is properly connected to the Hand-piece.2. Reconnect the Cartridge to the Hand-piece.3. Connect a new Cartridge to the Hand-piece.4. If the problem persists, please contact your local distributor or CLASSYS Inc.
2	 Check HP-MS	Malfunction of the motor motion in the Hand-piece has been detected. <ol style="list-style-type: none">1. Check that the Cartridge is properly connected to the Hand-piece.2. Replace the currently active Hand-piece.3. If the problem persists, please contact your local distributor or CLASSYS Inc.
3	 System error - F1	Malfunction of the cooling fan rotation in the Main Body has been detected. <ol style="list-style-type: none">1. Turn the System OFF and restart.2. If the problem persists, please contact your local distributor or CLASSYS Inc.
4	 System error - NC	Malfunction of the base board in the Main Body has been detected. <ol style="list-style-type: none">1. Turn the System OFF and restart.2. Reconnect the Hand-piece Cable to the Main Body.3. If the problem persists, please contact your local distributor or CLASSYS Inc.
5	 System error - EC	Malfunction of the hardware in the Main Body has been detected. <ol style="list-style-type: none">1. Restart the device and connect the new Cartridge to the Hand-piece.2. If the problem persists, please contact your local distributor or CLASSYS Inc.

Troubleshooting

Troubleshooting Chart

No.	ERROR ICON	DESCRIPTION & CORRECTIVE ACTION
1		Water level caution Level 1 (Cooling function will halt shortly) <ol style="list-style-type: none">1. Turn the System OFF and disconnect the AC Power Cable from the Main Body.2. Insert water into the System.3. Turn the System ON.4. If the problem persists, please contact your local distributor or CLASSYS Inc.
2		Water level caution level 2 (Cooling function has halted) <ol style="list-style-type: none">1. Turn the System OFF and disconnect the AC Power Cable from the Main Body.2. Insert water into the System.3. Turn the System ON.4. If the problem persists, please contact your local distributor or CLASSYS Inc.
3		Error in the flow sensor has been detected. <ol style="list-style-type: none">1. Turn the System OFF and restart 1-3 times to remove any air from the water hose (the flow sensor circulates through the water hose).2. Straighten the Hand-piece Cable.3. If the problem persists, please contact your local distributor or CLASSYS Inc.
4		Cooling water circulation is below normal level <ol style="list-style-type: none">1. After turning the System ON, the Graphical User Interface (GUI) may display icon which should disappear and resolve within 2-3 min. once the cooling water circulation level stabilizes.2. If the problem persists, please contact your local distributor or CLASSYS Inc.

Refer to additional training material for the proper and professional use of the SCIZER.

- Installation Guide
- Treatment Guide
- Quick Operation Guide
- Operation Manual

For further enquiries contact:

info@classys.com

