

<b>T.I. no.: 2023-24</b> Updated: -	<b>Topic: Operating System Version BSP 45</b>
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<b>Date: 24.11.2023</b>	<table border="1"> <tr> <th colspan="2">Priority</th> </tr> <tr> <td><input type="radio"/></td> <td>High</td> </tr> <tr> <td><input checked="" type="radio"/></td> <td>Medium</td> </tr> <tr> <td><input type="radio"/></td> <td>Low</td> </tr> </table>	Priority		<input type="radio"/>	High	<input checked="" type="radio"/>	Medium	<input type="radio"/>	Low	<b>Need for action</b>
Priority										
<input type="radio"/>		High								
<input checked="" type="radio"/>		Medium								
<input type="radio"/>	Low									
<b>Affected machines: SC Club</b>	As soon as possible									
<b>From serial number:</b>	On next visit to the machine									
<b>Start date: immediately</b>	FYI only									

## OPTIMISATION

The following optimisation was made compared to software version **BSP 44**:

- Prevention of a frozen display when activating the buzzer

With previous BSP software versions, the software could freeze when the buzzer was activated (e.g. during foamer rinsing) and the machine then had to be restarted.

This faulty behaviour has been corrected in the new BSP software.

## Notes for technicians

If problems occur during or after the software update, please send a data backup together with an exact description of the error by e-mail to the contact address below.

The following update tests were successfully carried out as part of the approval test:

From version	To version
BSP 37, 40, 44	BSP 45

For machines in the field, we recommend checking the operating system software version on the front panel during the next customer visit and updating to version **BSP 45**.

**NOTE**

Once installation is complete and the USB stick has been removed, the operating system update will be completed the first time the machine is switched on. This process takes up to 2 minutes. The display switches off briefly several times during this process.

## Checking the operating system software

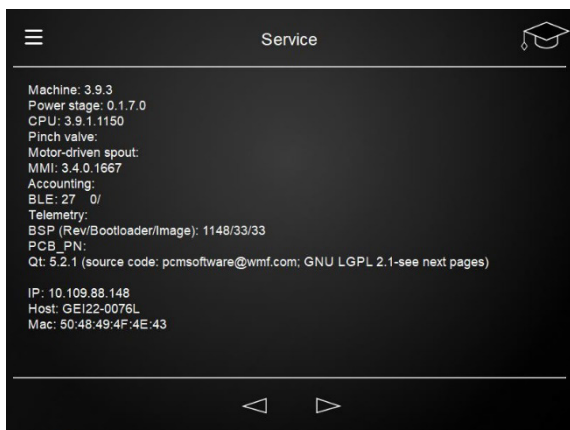


Figure 1: Display of the software version

The BSP version can be checked under **Info > Service**.

## Update process

1. Copy self-extracting file **1120\_1350\_BSP\_45.exe** to a USB stick.
2. Unpack the self-extracting file by double-clicking the file on the USB stick drive.
- ✓ The **1120** and **BSP** folders are created on the USB stick and the new BSP version is stored in both folders.



### NOTE

Depending on the present BSP version of the front panel, the version from one of the two folders is automatically selected for the update.

- Before BSP 40: The update is done from the **1120** folder.
- From BSP 40: The update is done from the **BSP** folder.

3. Switch off the machine.
4. Connect the USB stick to the machine.
5. Switch on the machine.
- ✓ The **Update available** dialogue appears.
6. Start the update with **YES**.
- ✓ The update itself takes about 1 minute.
7. Do **not** unplug the USB stick during the update process.
- ✓ After a successful update, the following message appears:  
**Update successful, a manual reboot is required in order for the update to be complete.**
8. Then perform a **hard** machine switch-off, i.e. hold down the **on/off switch** for longer than 5 s until the machine shuts down.



### NOTE

Since the machine does not automatically continue the boot process after the BSP update, it is necessary to perform a **hard** machine switch-off, i.e. press and hold the on-off switch or disconnect it from the power supply.

9. Unplug the USB stick from the machine.
10. Switch on the machine.
- ✓ The update was successful.

## Handling the USB stick

As long as the **1120** and **BSP** folders are located on the USB stick and it is plugged into machine, the automatic operating system update starts again during every boot process.

This means, for instance, that the BSP update routine starts after a machine software update if the USB stick is still plugged into the machine at this time, as an automatic boot process is performed here.

The BSP update can be carried out several times without any problems and takes about 1 minute.

There are two other options for cancelling an update:

- Cancel the update with **NO**
- Save the folder with the BSP version separately from the machine software on a separate USB stick and only use it for BSP updates in the future