UI Cleveland Software Release Notes

Product Name	UI For T1/Eclipse
Version	01.01.12
Date	1/08/2024
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Executable Name	UiCleveland
Hardware Rev	Welbilt UI AG012002000367, IO board V1

Purpose:

The purpose of this software is to provide the graphical user interface (GUI) for the T1 and Eclipse model machines. This software acts as the master, sending commands to the slave IO board, which controls the pan, lid, water, and heating processes.

Intended Use:

Test software. As deemed by Cleveland.

Compatibility:

Heating process	T1 Model only
Lid and water	Not supported.
Errors handling	T1 Model error only.

Features Added or Modified:

Heating Process:

- **Pan Time Heating Mode:** The command sent to the IO board while operating in this mode is updated to operate in Heat Mode 1 (Pan Mode) rather than Heat Mode 2 (Product Mode) as per the IO heat mode perspective.

- **Probe Heat Mode:** The command sent to the IO board while operating in this mode is updated to operate in Heat Mode 1 (Pan Mode) rather than Heat Mode 2 (Product Mode) as per the IO heat mode perspective.
- **Probe Time Heating Mode:** This new mode has been added to the UI. Users can add this mode in recipe creation by pressing the probe icon. The probe temperature keypad will contain a clock icon to insert the duration time for the step. If the user enters zero time, it acts as a Probe Heat step; if they enter an infinite duration, it will act as infinite cooking and prevent further step addition.

Sous Vide Pump:

The Sous Vide pump is added to the recipe. Users can select it during recipe creation, and the necessary command is sent to the IO board accordingly.

Probe Target Temperature:

Probe target temperature/duration, will be shown in the recipe run view.

Number of Steps for Recipe:

The maximum number of steps is updated from 8 to 12.

Message Step View:

The text pixel has been maximized. Now, a message step can contain up to 12 characters per line.

Cookbook:

- Change cookbook name from cookbook properties.
- Delete a recipe from the cookbook.
- Add a recipe image.
- Delete a recipe image. If the image is used in any existing recipes, it will be replaced with a default image indicating no image is available.
- Import a cookbook. If the imported file name already exists, it will notify the user about the action to take.
- Export a cookbook with the ability to determine the export name.

Error Handling:

Table show details about error for T1 Model

Error Code	Error Details	Error Source	Error Category
102	Safety Switch	IO board	Block
11	IO to UI Communication	IO board	Block
10	I/O board Over temperature	IO board	Block
701	Jacket sensor	IO board	Abort
702	Product sensor	IO board	Abort
201	Pan not down	IO board	Abort
12	UI to IO Communication	UI	Block
101	Heater error	UI	Notification
201	Pan tilt error	UI	Notification
103	Blower low pressure	Abort	Abort

Testing:

Testing using the IO board with a jacket and probe sensor in conjunction with the UI has been conducted. Signals being sent from the UI were tracked to ensure the right commands were transmitted.

Environment Description:

Qt creator	Version 4.10.2
Qt version	Version 5.12
Compiler arm-poky-linux-gnueabi-g++ (GCC)	Version 7.3.0
UI firmware Welbilt-mfgtools-production Image	Version DVT1.0.5-2023-04-29