

Operation Manual

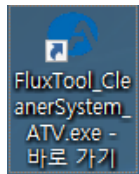
Flux-tool cleaning system

PC Software

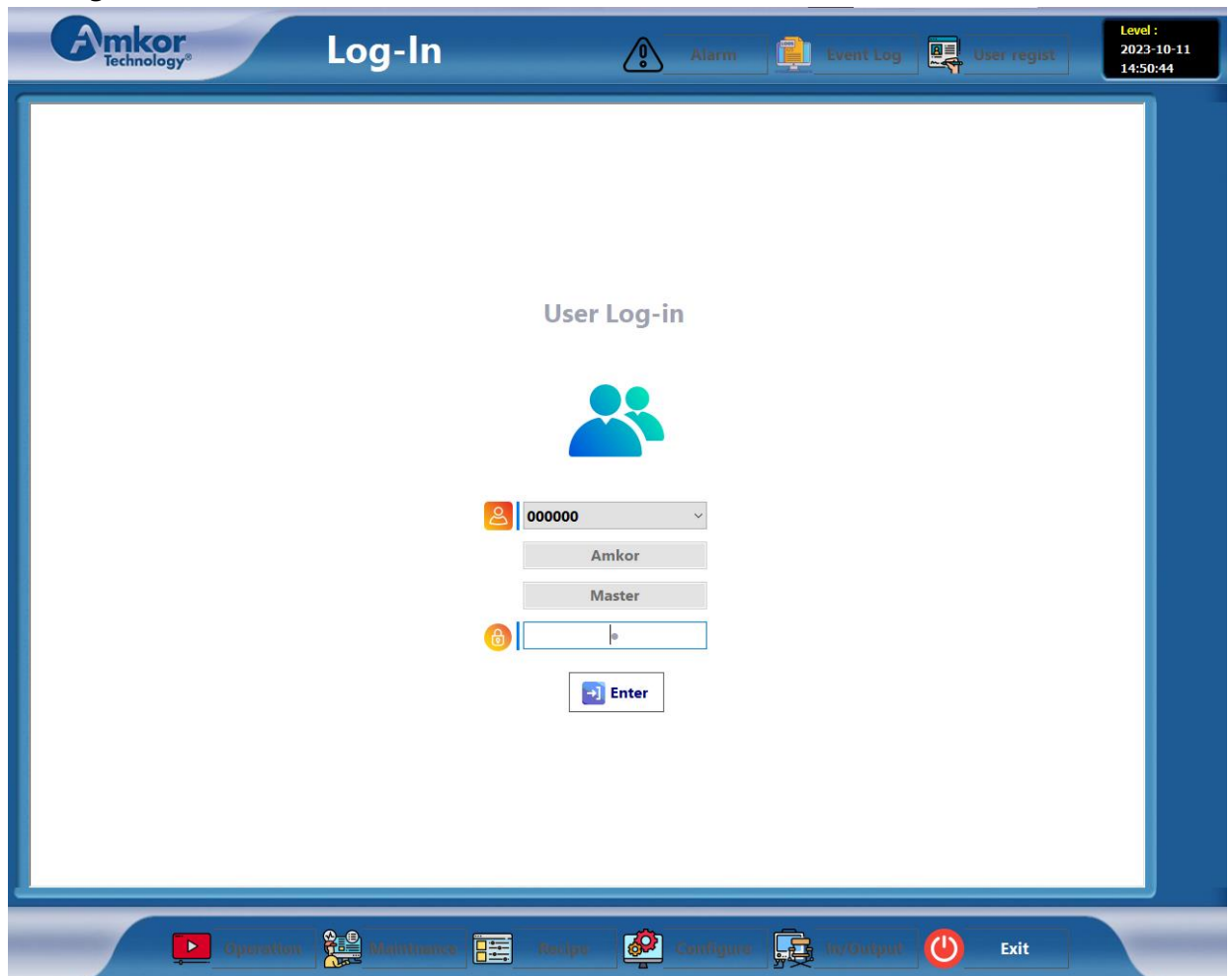
Production : ATK5 EE
S/W Engineer : Hyun-su Park

1. Run a program

Double-click the FluxTool_CleanerSystem_ATV.exe icon on the desktop to run it



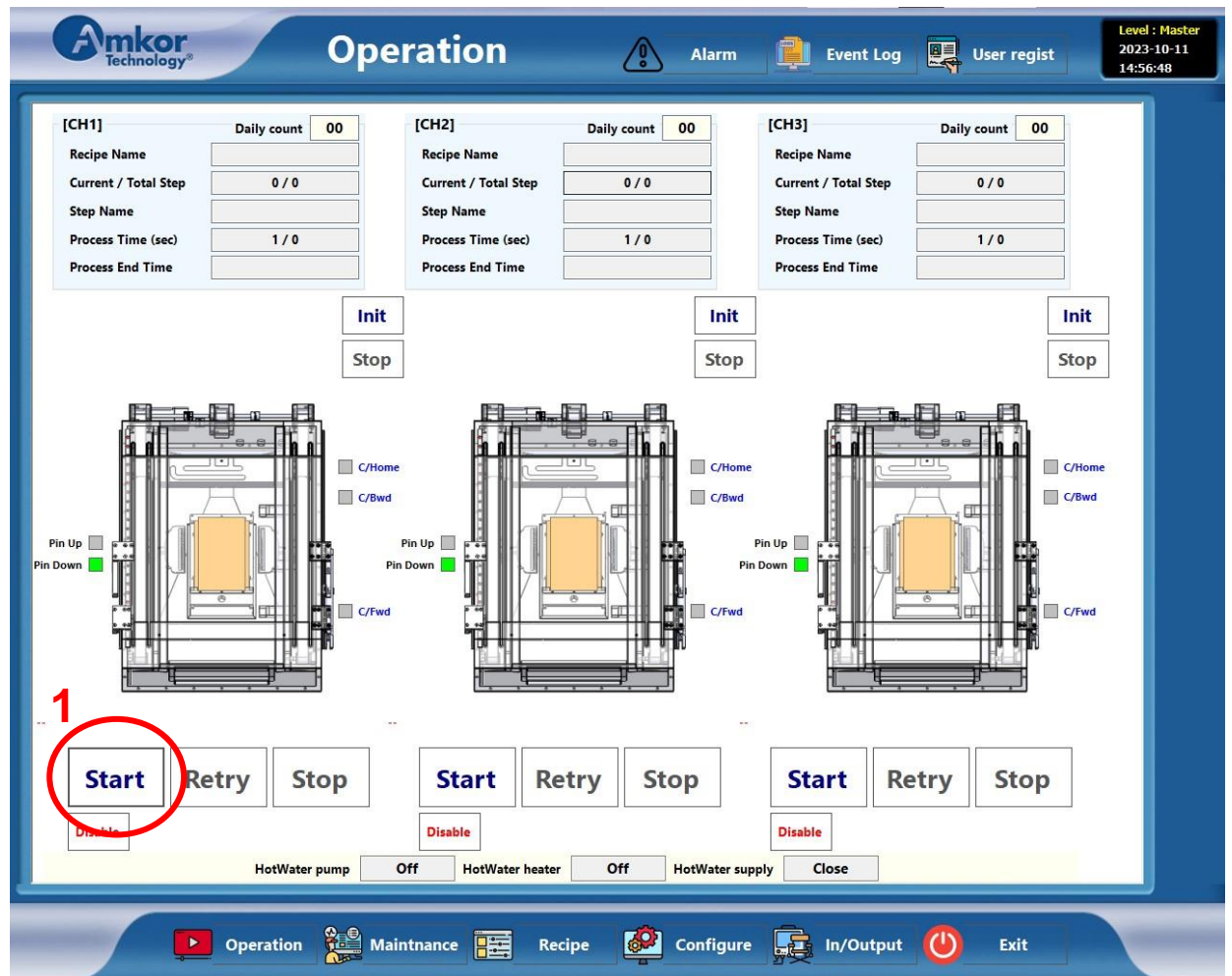
2. Log-in



Log in after entering ID and password

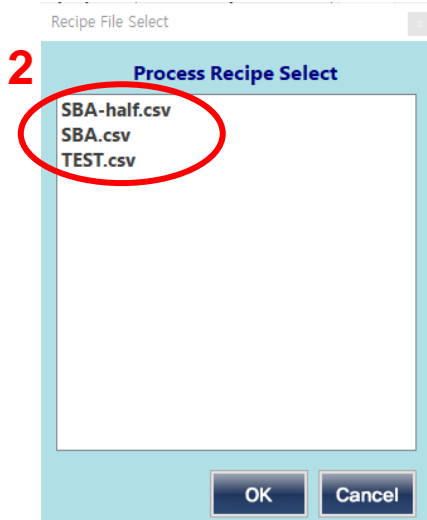
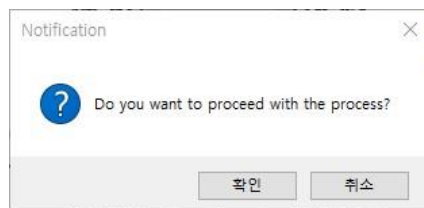
- Default ID : 000000
- Default Password : 1

3. Operation



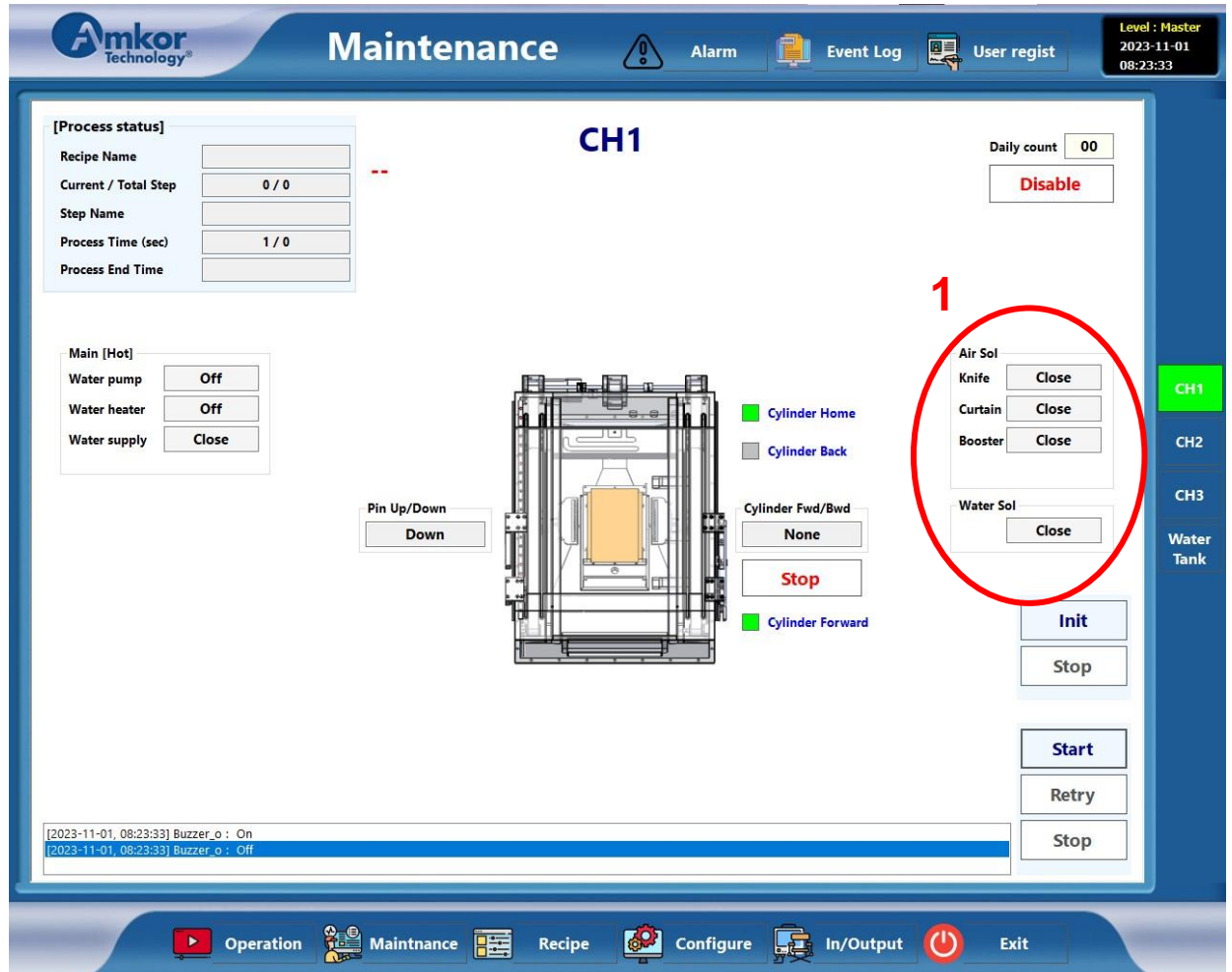
(1) Close the front door of the equipment and press the start button

If the following window opens, press the check button



- (2) Select the Recipe file and press the OK button
 - (3) If you want to stop the process, press the stop button
- Ch1, Ch2, Ch3 The same GUI and SEQ

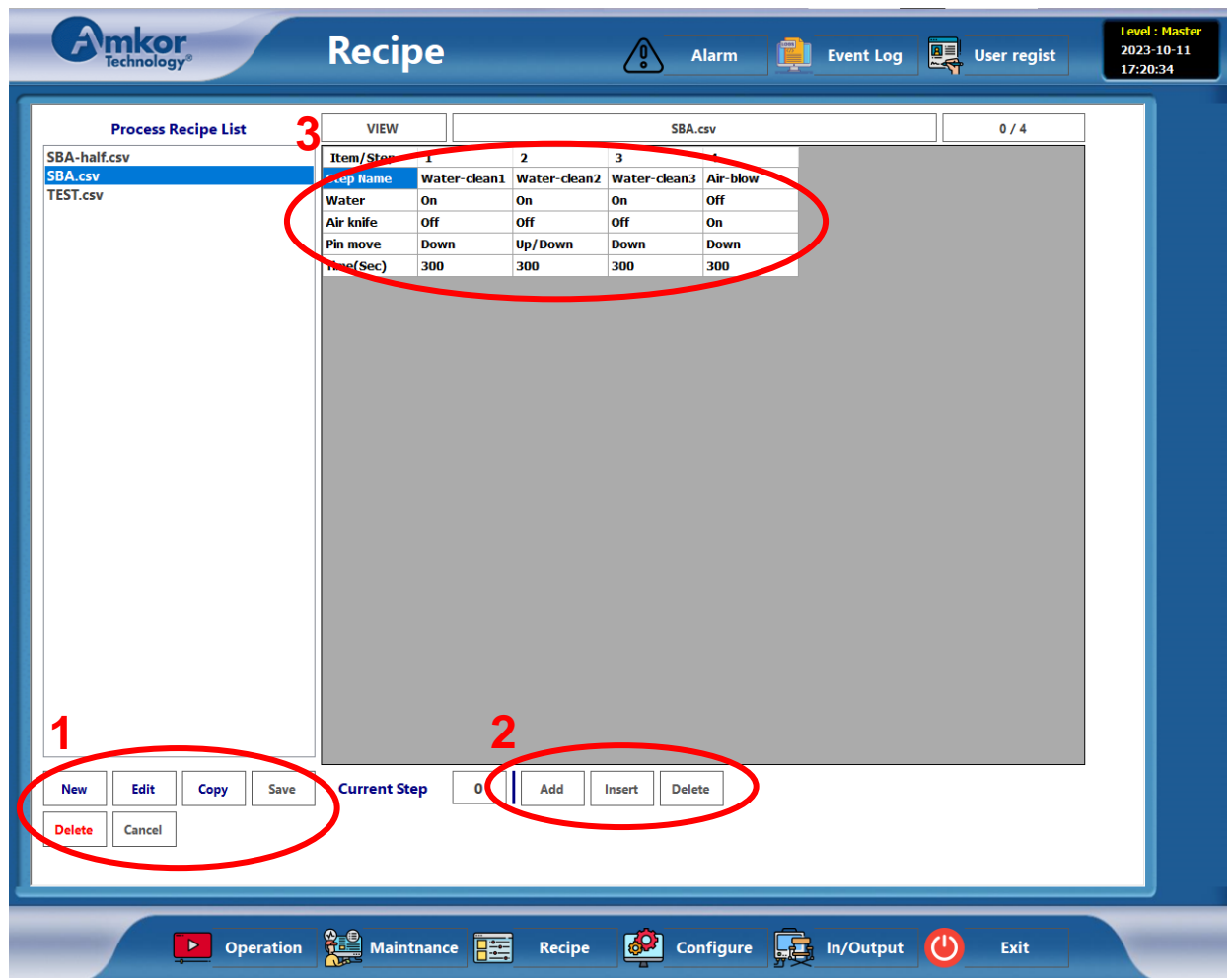
4. Maintenance



If you press the Maintenance button, you will see the screen above
 The process can be carried out the same as the "Operation" screen

- (1) Individual I/O operations are possible
- However, it is impossible to operate during the process

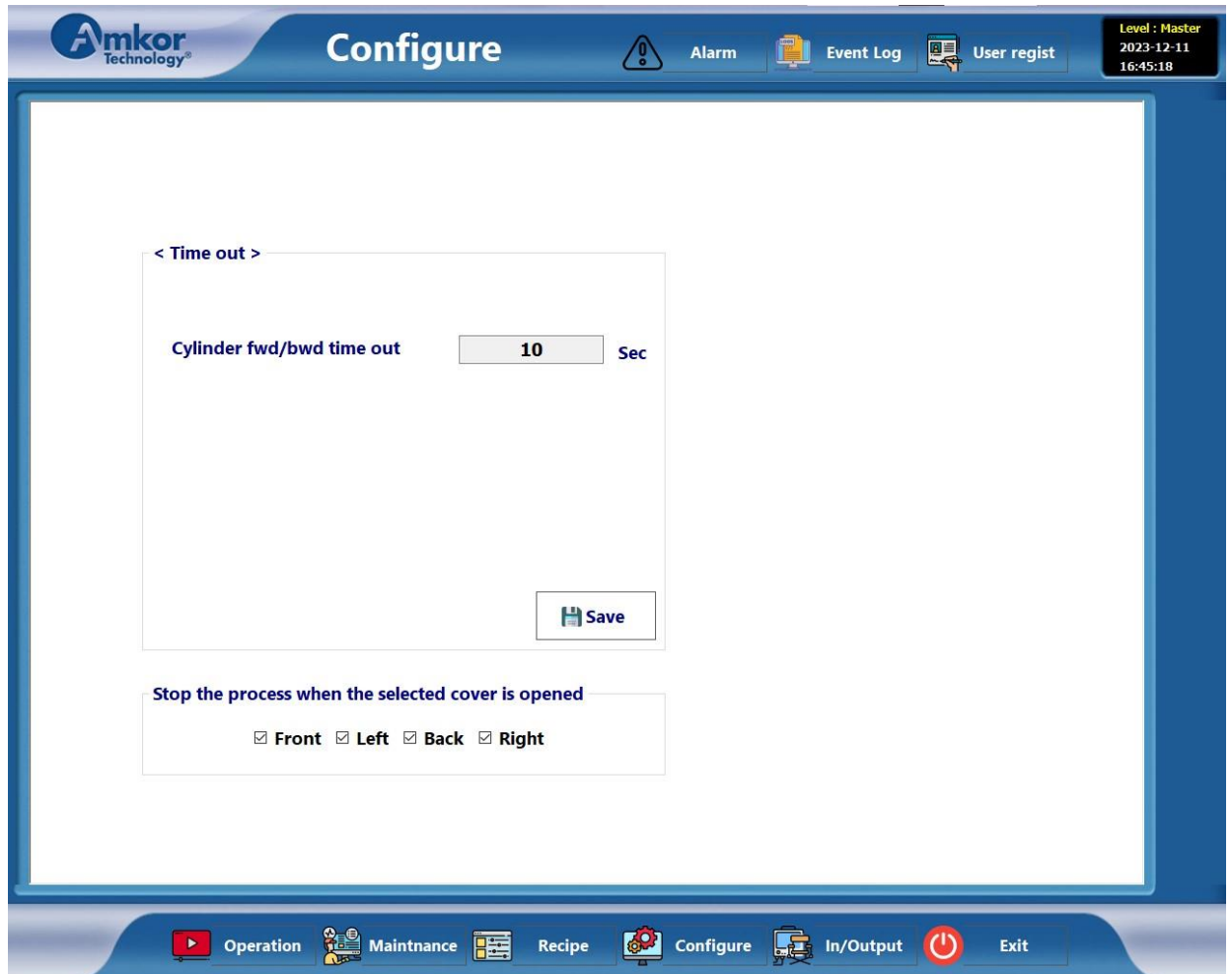
5. Recipe



- (1) New / Edit / Copy / Save / Delete / Cancel button
 - New : Create a new Recipe file
 - Edit : Modifying Recipe Content
 - Copy : Copy Recipe File
 - Save : Create or modify Recipe and save it as a file (csv file)
 - Delete : Delete Recipe File
 - Cancel : Cancel creating or modifying Recipe
- (2) Add / Insert / Delete
 - Ability to add, insert, or delete each step in Recipe
 -
- One recipe can be created up to 50 steps in total
- (3) Recipe Item
 - Water : Whether to use water
 - Air knife : Whether to use dry air
 - Pin move : Whether to use pin
 - 1) Up : Keep Pin up
 - 2) Down : Keep Pin down
 - 3) Up/Down : Repeat Pin up/down every 3 seconds

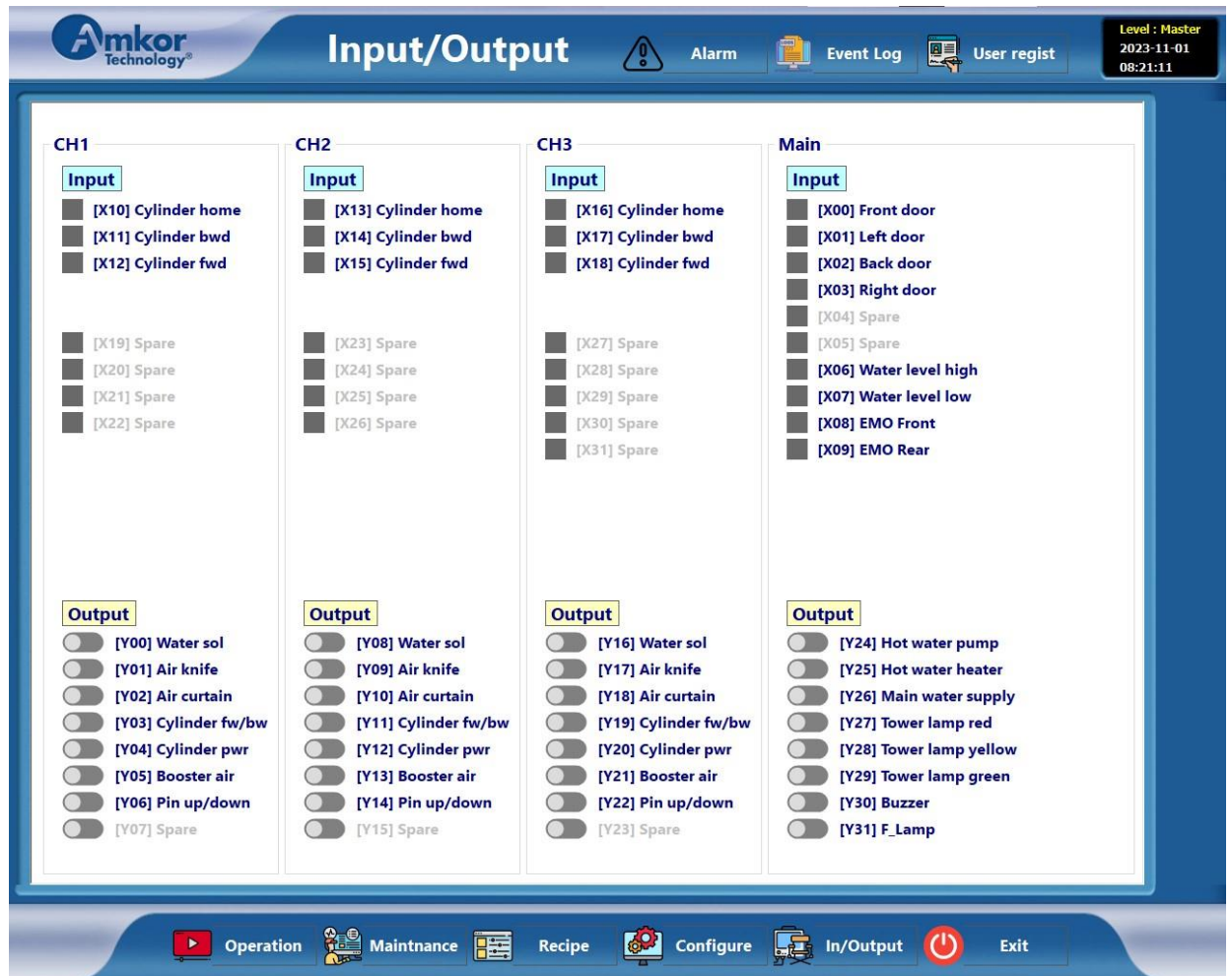
- Time : Each step process time (sec)

6. Configure



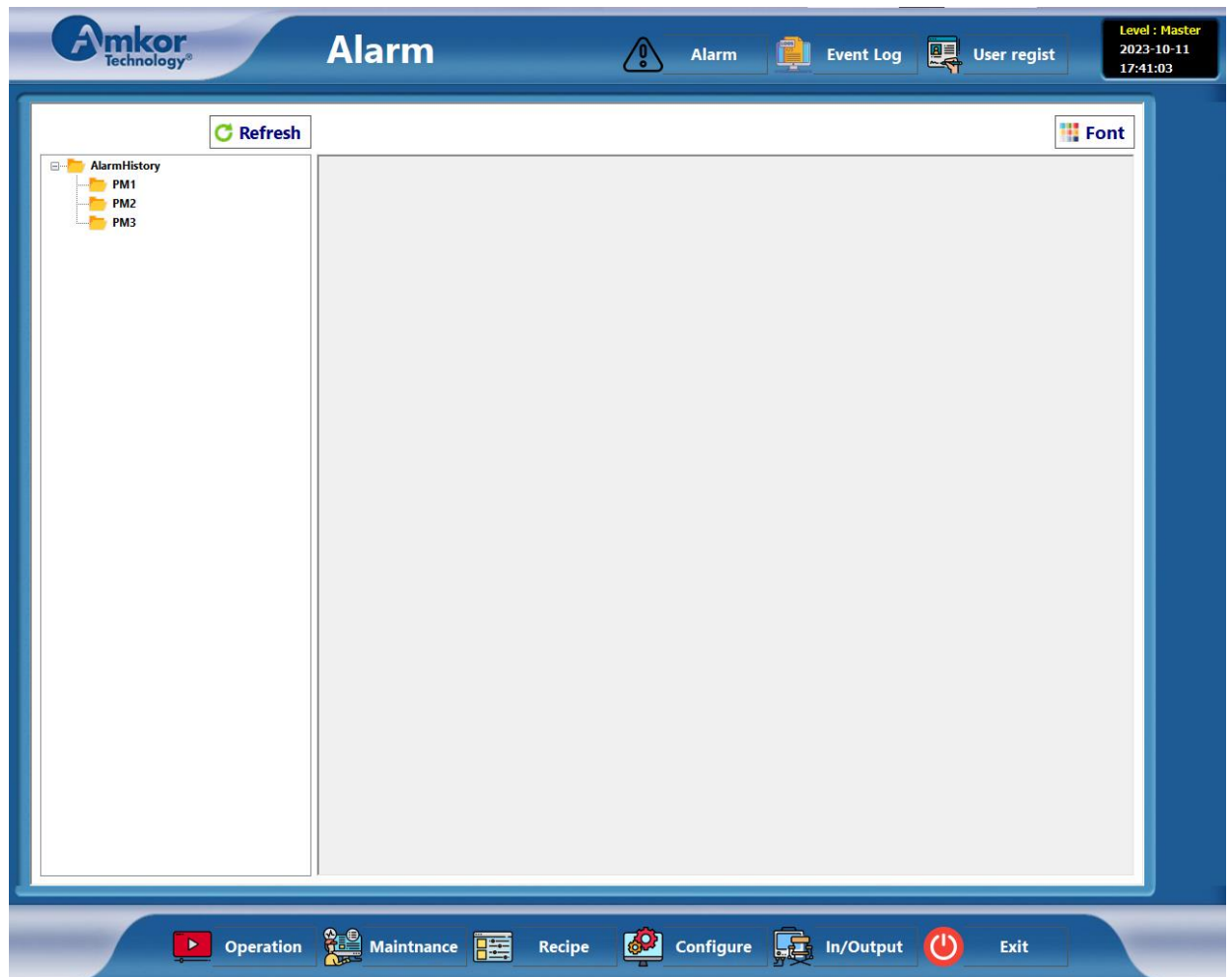
- <Time out>
 - Cylinder fwd/bwd time out : Alarm if it does not operate within the set time when moving the cylinder
- Stop the process when the selected cover is opened

7. In/Output



Check I/O control and status

8. Alarm



Alarm history by channel

- Alarm list

- (1) **Code. 1002** : Failed to read recipe file
 - Alarm when the Recipe file fails to be loaded during the process
- (2) **Code. 1005** : Cylinder forward time out
 - Alarm if cylinder operation fails to reach forward position within set time
- (3) **Code. 1006** : Cylinder backward time out
 - Alarm if cylinder operation fails to reach backward position within set time
- (4) **Code. 1007** : Cylinder home time out
 - Alarm if cylinder operation fails to reach home position within set time

9. Event Log

Amkor
Technology®

Event Log

Alarm

Event Log

User regist

Level : Master
2023-10-11
17:43:38

Refresh

Font

EventLog

PM1

2023

09

10

11.txt

PM2

PM3

TEMP

WATERTANK

[2023-10-11, 14:45:40] CH1_WaterValve_o : Off

[2023-10-11, 14:45:40] CH1_Air_Knife_o : Off

[2023-10-11, 14:45:40] CH1_Curtain_AirValve_o : Off

[2023-10-11, 14:45:40] Hot_Water_Pump_o : Off

[2023-10-11, 14:45:40] Hot_WaterHeater_o : Off

[2023-10-11, 14:45:40] Main_Water_Supply : Off

[2023-10-11, 14:45:40] Buzzer_o : On

[2023-10-11, 14:45:40] CH1_WaterValve_o : Off

[2023-10-11, 14:45:40] CH1_Air_Knife_o : Off

[2023-10-11, 14:45:40] CH1_Curtain_AirValve_o : Off

[2023-10-11, 14:45:40] Hot_Water_Pump_o : Off

[2023-10-11, 14:45:40] Hot_WaterHeater_o : Off

[2023-10-11, 14:45:40] Main_Water_Supply : Off

[2023-10-11, 14:45:40] Buzzer_o : On

[2023-10-11, 14:45:40] CH1_WaterValve_o : Off

[2023-10-11, 14:45:40] CH1_Air_Knife_o : Off

[2023-10-11, 14:45:40] CH1_Curtain_AirValve_o : Off

[2023-10-11, 14:45:40] Hot_Water_Pump_o : Off

[2023-10-11, 14:45:40] Hot_WaterHeater_o : Off

[2023-10-11, 14:45:40] Main_Water_Supply : Off

[2023-10-11, 14:45:40] Buzzer_o : On

[2023-10-11, 14:45:40] CH1_WaterValve_o : Off

[2023-10-11, 14:45:40] CH1_Air_Knife_o : Off

[2023-10-11, 14:45:40] CH1_Curtain_AirValve_o : Off

[2023-10-11, 14:45:40] Hot_Water_Pump_o : Off

[2023-10-11, 14:45:40] Hot_WaterHeater_o : Off

[2023-10-11, 14:45:40] Main_Water_Supply : Off

[2023-10-11, 14:45:40] Buzzer_o : On

[2023-10-11, 14:45:40] CH1_WaterValve_o : Off

[2023-10-11, 14:45:40] CH1_Air_Knife_o : Off

[2023-10-11, 14:45:40] CH1_Curtain_AirValve_o : Off

[2023-10-11, 14:45:40] Hot_Water_Pump_o : Off

[2023-10-11, 14:45:40] Hot_WaterHeater_o : Off

[2023-10-11, 14:45:40] Main_Water_Supply : Off

[2023-10-11, 14:45:40] Buzzer_o : On

[2023-10-11, 14:45:40] CH1_WaterValve_o : Off

[2023-10-11, 14:45:40] CH1_Air_Knife_o : Off

[2023-10-11, 14:45:40] CH1_Curtain_AirValve_o : Off

[2023-10-11, 14:45:40] Hot_Water_Pump_o : Off

[2023-10-11, 14:45:40] Hot_WaterHeater_o : Off

[2023-10-11, 14:45:40] Main_Water_Supply : Off

[2023-10-11, 14:45:40] Buzzer_o : On

[2023-10-11, 14:45:40] CH1_WaterValve_o : Off

Operation

Maintnace

Recipe

Configure

In/Output

Exit

Event history by channel (year/month/date)

10. User regist

ID	Name	Level	Password
1	Amkor	Master	*

User Regist

Employee number

Name

Authority

Password

User edit

Employee number

Name

Authority

User delete

Employee number

Authority

Navigation Bar: Operation, Maintenance, Recipe, Configure, In/Output, Exit

New User registration and modify, delete function

- User regist
 - Employee number : Employee number or unique numbers
 - Name : Name
 - Authority : Setting permissions (screen access permission)
 - Password : Password
- User edit
 - Modify existing registered user information
- User delete
 - Delete registered users