Graphic Interface for use on ACS200 Gen3

Operator level User Guide
Overview screen

**Medias ok = Green**
- Full level reached
- low level not reached
- Reserve = White Bgd

**Stations Grey = Ok**
- CO 1,2 Two coater bowls
- DE 1 is Developer bowl

**TEMP1**
- 1 HMDS module (top)
- 4 prog. Hotplates
- 2 cold plates

**TEMP2**
- 2 prog. Hotplates
- 1 cold plate

**I/O**
- Cassette 100m or 150mm (Black = not init)
Loading wafers from Overview Screen

Ask for Door Access and unlock
I/O interlock

Load cassettes correctly
Left = I/O port 1_1 for coating
Right = I/O port 1_2 for develop

Close door

Lock access to Door

I/O door interlock can be switch on

06.01.2016

ACS Operator Guide ACS200 GAR/CMi V1.0
Define Carrier
(from Jobs icon)

Load cassettes correctly
...
Close door
Release access to Door

Single-click on Jobs icon

Press Load Carrier
Check for door correctly closed and released if in grey
Wait for ...
Scanner at rear of robot arm is activated
Search for wafers (2 times)
Update slot status
Define Carrier
(from Jobs icon)

Load cassettes correctly

Close door

Release access to Door

Single-click on Jobs icon

Press Load Carrier

1- Select Sequence

From Top10 (0-999) see /List of sequence
Define Carrier (from Jobs icon)

Load cassettes correctly
Close door
Release access to Door
Single-click on Jobs icon
Press Load Carrier
Single-click on Jobs icon
Press Load Carrier

1- Select Sequence

2- Select Substrate (to edit carrier)
one by one if necessary
Ok and Close
Start Sequence  
(from Overview screen)

3- Start Sequence
Close window
Return to Overview icon

Pink colors are displayed on overview until all requested modules are ready (temperature, available handling, ...)

06.01.2016  
ACS Operator Guide ACS200 GAR/CMi V1.0
Sequence running

Monitor carrier
Sequence running = green background

Slot Monitor by color (any station)
Black are filled slots (not selected)
Pink are waiting for processing
Green are currently in process Yellow are processed (finished)
Red are (process) damaged
Sequence finished

Batch Ready on I/O
turn to yellow color background
• Request Door Access
• Wait ... (tool check for safety )
• Check I/O door interlock
• Locker icon turn to open
• Take carrier out to unload

Note: A second process flow can be started in parallel from second cassette
Alarms

Look at alarms icon (bottom left)

Single-click to open report

- Read it and report if unknown
- Update with clear (clear all)
- Close alarm window
Option: View for available RECIPES

1- Press Recipe icon to open graphical editor
   Press Sequence View. MMC TC is empty

2- Press load
   Sequence Select Window open library
   Upper bar preselect are filter for:
   - 0-99 ..100-999
   - Top10 recipe sequence .. Scartchs
   - 1000-1999 (for STI-EPFL)
     Lab declared recipe sequence
   - 2000-2999 (for SB-EPFL)
     Lab declared recipe sequence
   - 3000-3999 (for SV-EPFL)
     Lab declared recipe sequence
   - 8000-8999 (for External-EPFL)
     Lab declared recipe sequence
   - 9000-9999 (for CMi Bup & PM)
     Lab declared recipe sequence

06.01.2016 ACS Operator Guide ACS200 GAR/CMi V1.0
Sequence and Recipe editor

- Expand Sequence and Tasks to search for specific recipe
- Click to recipe icon
- Press edit and choose « Over » tab to open a step by step parameter summary
Login and Billing

This tool is controlled by the CMi CAE application

• Sign in on PC zone 1 to get access
  Billing is reset to 00:00

• Prepare your sequence

• You can sign out as soon as Sequence is started (billing starts)

• Billing system turns to light yellow as soon as process is finished (billing freeze). A new sequence cannot be started until you sign out

• Don’t forget to sign out immediately after unloading