



Measurement

SmartLab Studio II



1. 장비 가동

- 1) Control PC의 전원을 켭니다.
- 2) Chiller를 작동시킵니다.

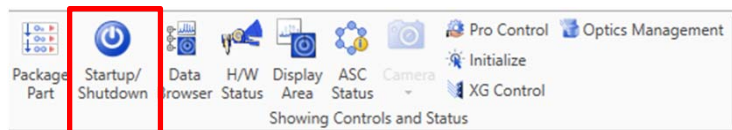


Run button을 2초 정도 눌러줍니다.

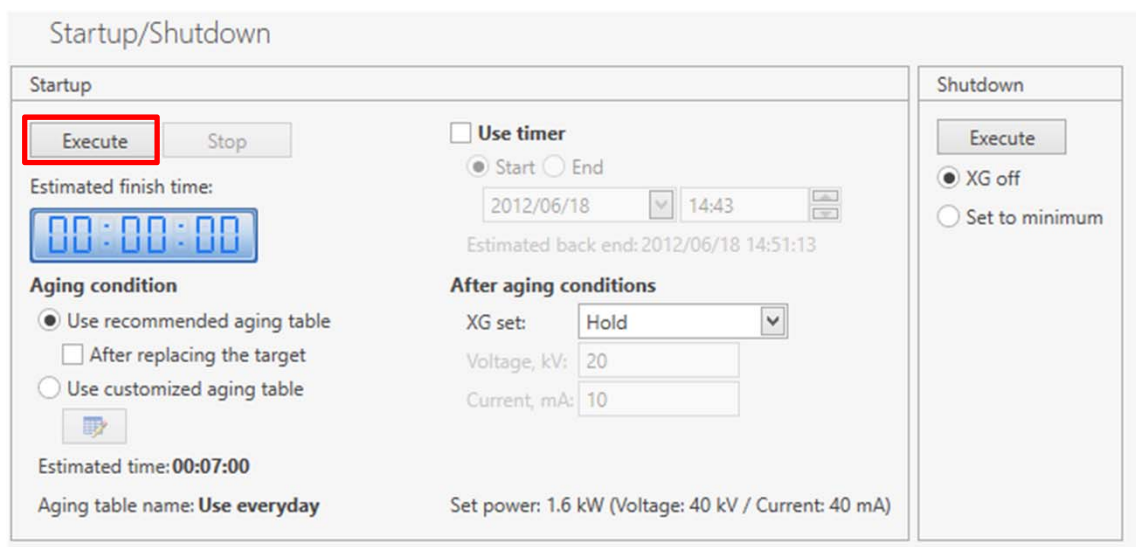
- 3) SmartLab SE 장비의 Key를 돌려 장비를 가동시킵니다.
- 4) SmartLab Studio II icon을 더블 클릭하여 실행시킵니다.



- 5) 프로그램의 상단 Ribbon의 Startup/Shutdown button을 클릭하면 Startup/Shutdown 창이 나타납니다.

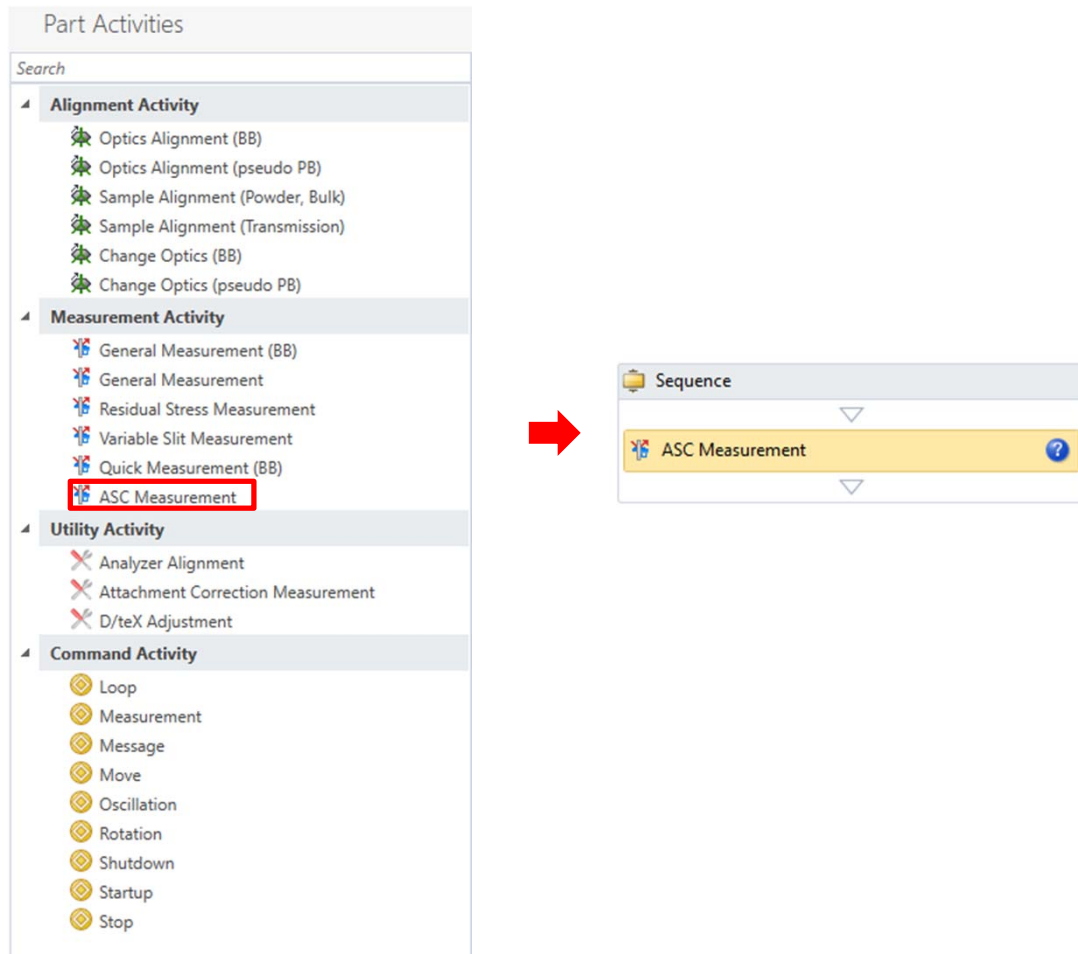


- 6) Startup에서 Excute를 클릭하여 Aging을 시작합니다.
- 40kV 40mA까지 다 올라가면 사용 가능합니다.

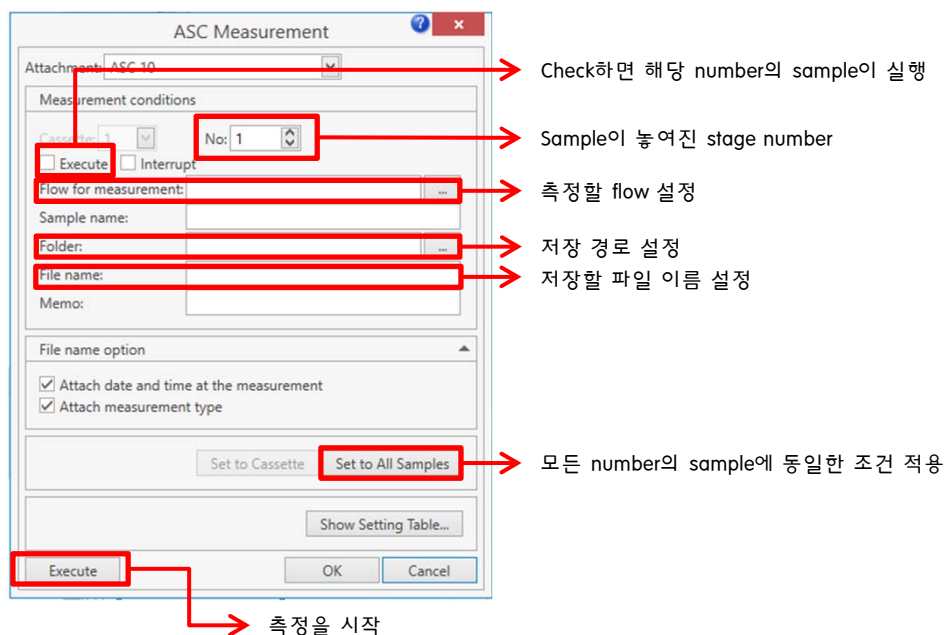


2. Measurement


1) Part Activities 에서 ASC measurement를 더블 클릭하여 Sequence 창에 추가합니다.



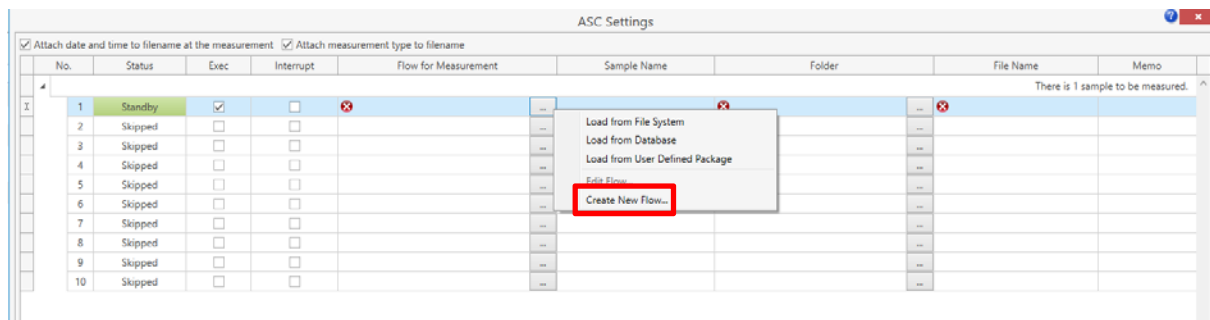
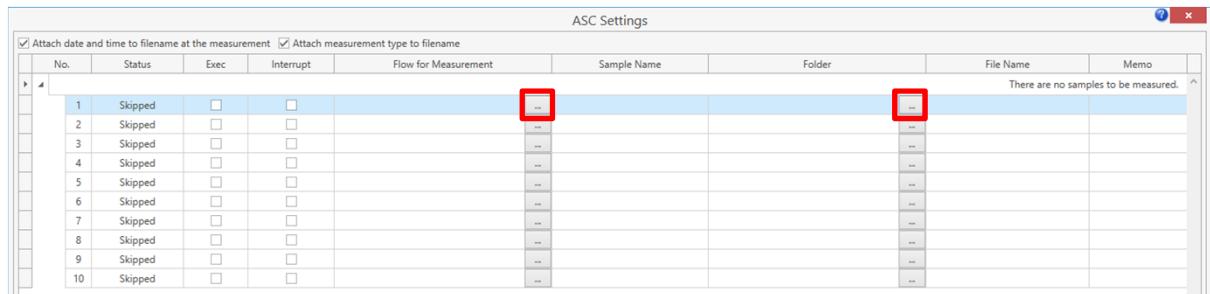
2) Sequence 창 내의 ASC measurement를 클릭하면, 새 창이 나타납니다.



2. Measurement

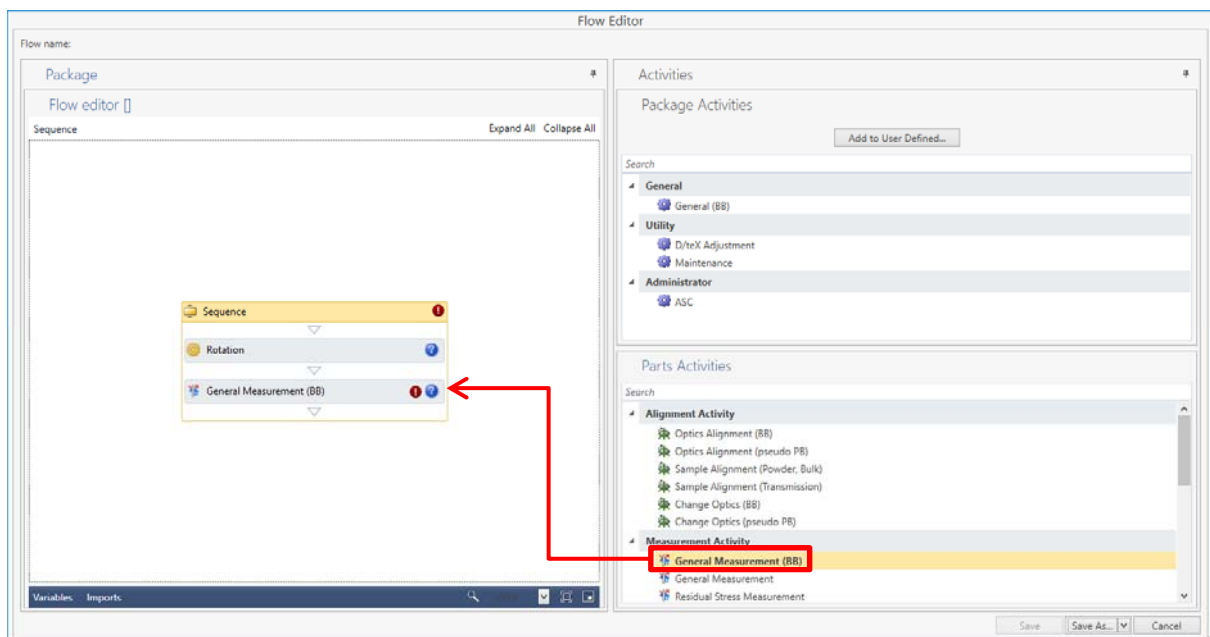
3) Show Setting Table을 클릭하면, 새 창이 나타나고 Flow for Measurement의  button을 클릭하여 새 flow를 생성합니다.

4) Folder의  button을 눌러 Data를 저장할 경로를 설정합니다.



5) Parts Activities에서 사용하고자 하는 Activity를 선택하여 Sequence 창에 추가합니다.

- Sequence 설정이 다 완료된 후에 Save as를 눌러 저장을 합니다.



2. Measurement

6) Sequence 창 내의 General Measurement(BB)를 클릭하면 측정할 조건 설정 창이 나타납니다.

The screenshot shows the 'General Measurement (BB)' dialog box. It has a title bar with a question mark and a close button. Below the title bar are three tabs: 'Manual exchange slit conditions', 'KB filter condition', and 'Detector conditions'. The 'Manual exchange slit conditions' tab is selected. Below the tabs is a table with 10 rows and 11 columns. The columns are: 'Exec.', 'Range', 'Start, °', 'Stop, °', 'Step, °', 'Speed, °/min', 'Incident Slit, °', 'Receiving Slit #1, mm', 'Receiving Slit #2, mm', 'Comment', and 'Options'. The first row is highlighted in blue. Red boxes and arrows point to specific elements: a red box around the 'Exec.' checkbox in row 1 with an arrow pointing to a 'Check' label; a red box around the 'Start, °', 'Stop, °', and 'Step, °' columns in row 1 with an arrow pointing to a label '측정 범위와 간격, 속도를 설정'; a red box around the 'Receiving Slit #1, mm' and 'Receiving Slit #2, mm' columns in row 1 with an arrow pointing to a label '측정 Slit 조건 설정'; a red box around the 'Move to home position after the measurement completed.' checkbox with an arrow pointing to a label 'Check하면 측정이 끝난 후에 Goniometer 가 초기 위치로 이동'; and a red box around the 'OK' button with an arrow pointing to a label 'OK를 클릭하여 설정을 저장'.

	Exec.	Range	Start, °	Stop, °	Step, °	Speed, °/min	Incident Slit, °	Receiving Slit #1, mm	Receiving Slit #2, mm	Comment	Options
1	<input checked="" type="checkbox"/>	Absolute	5.0000	80.0000	0.0100	50.0	2/3	20.0	Open		Set...
2	<input type="checkbox"/>	Absolute	5.0000	80.0000	0.0100	50.0	2/3	20.0	Open		Set...
3	<input type="checkbox"/>	Absolute	5.0000	80.0000	0.0100	50.0	2/3	20.0	Open		Set...
4	<input type="checkbox"/>	Absolute	5.0000	80.0000	0.0100	50.0	2/3	20.0	Open		Set...
6	<input type="checkbox"/>	Absolute	5.0000	80.0000	0.0100	50.0	2/3	20.0	Open		Set...
7	<input type="checkbox"/>	Absolute	5.0000	80.0000	0.0100	50.0	2/3	20.0	Open		Set...
8	<input type="checkbox"/>	Absolute	5.0000	80.0000	0.0100	50.0	2/3	20.0	Open		Set...
9	<input type="checkbox"/>	Absolute	5.0000	80.0000	0.0100	50.0	2/3	20.0	Open		Set...
10	<input type="checkbox"/>	Absolute	5.0000	80.0000	0.0100	50.0	2/3	20.0	Open		Set...

☒ Save measured data
☐ Separate measured file
 File name:
 Sample name:
 Memo:
☐ Move to home position after the measurement completed.
 Calculated scan duration: 2min 14s

OK Cancel

7) 모든 설정이 완료가 되면 2번 항목의 Execute를 클릭하여 측정을 시작합니다.