

L27 Chip Size SEM

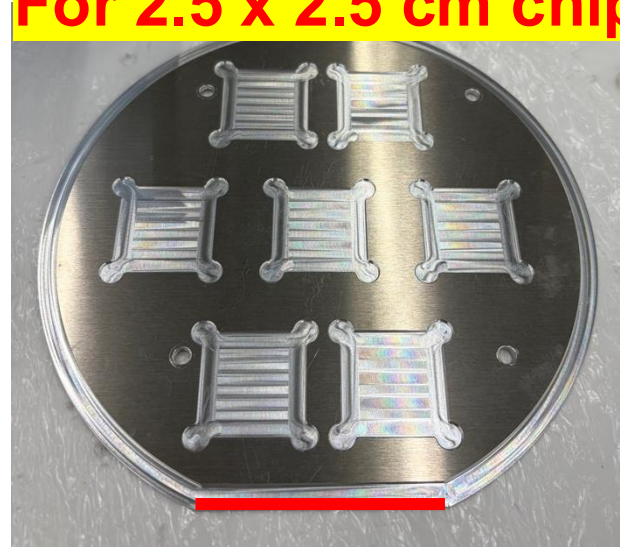
操作手冊 / Manual

載台安裝 Holder Installation

For 6 inch wafer



For 2.5 x 2.5 cm chip



載台部件 Holder Component

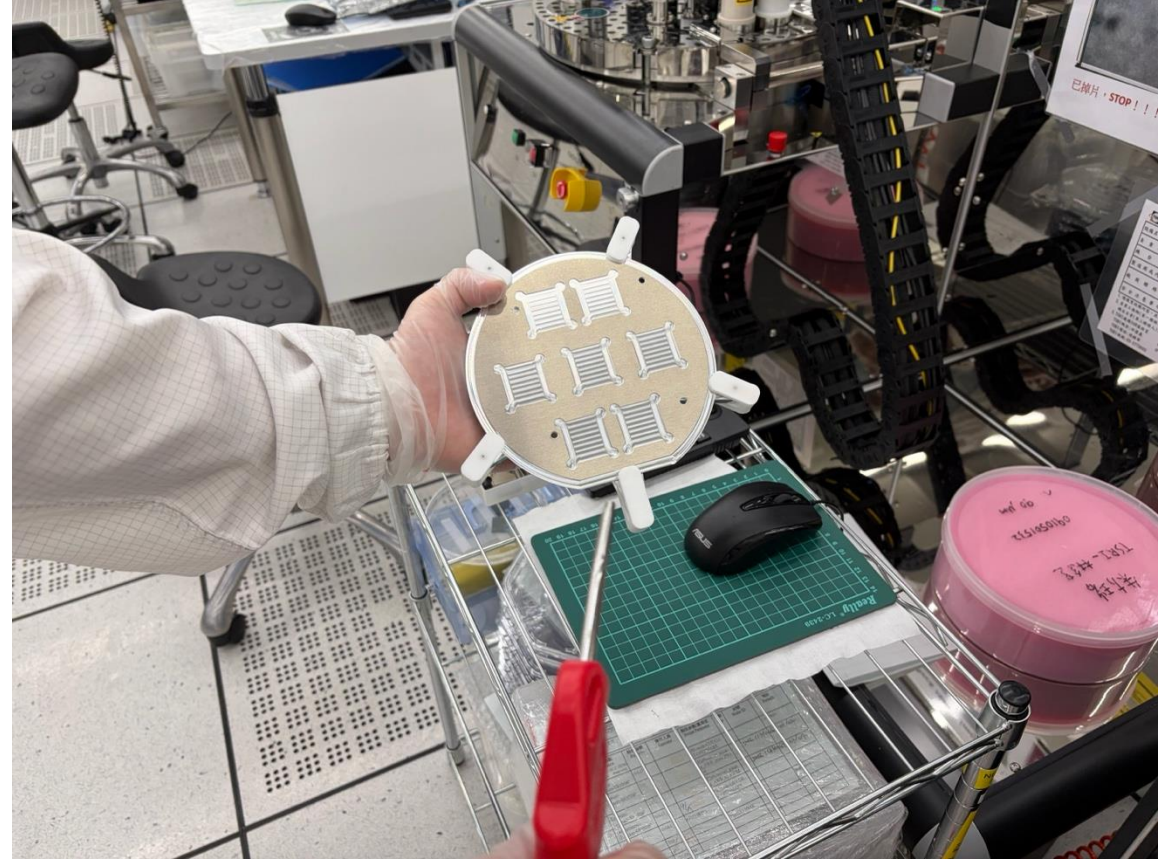
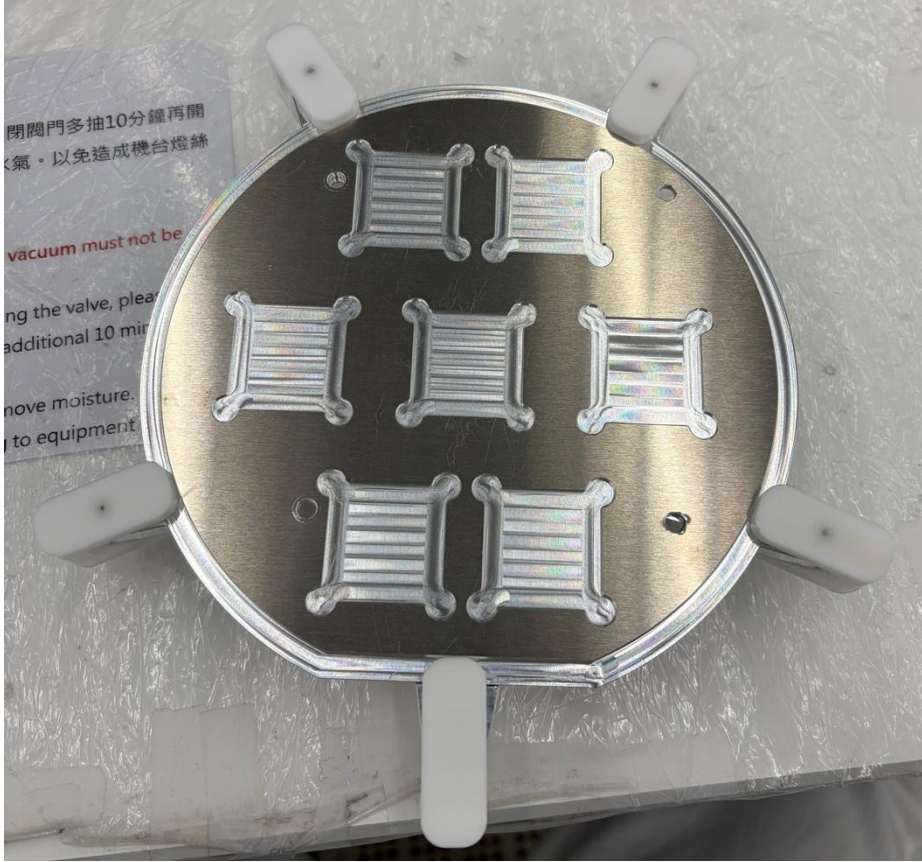
載片平邊應對齊載台T型記號

The flat edge should be aligned with the T-mark on the holder.



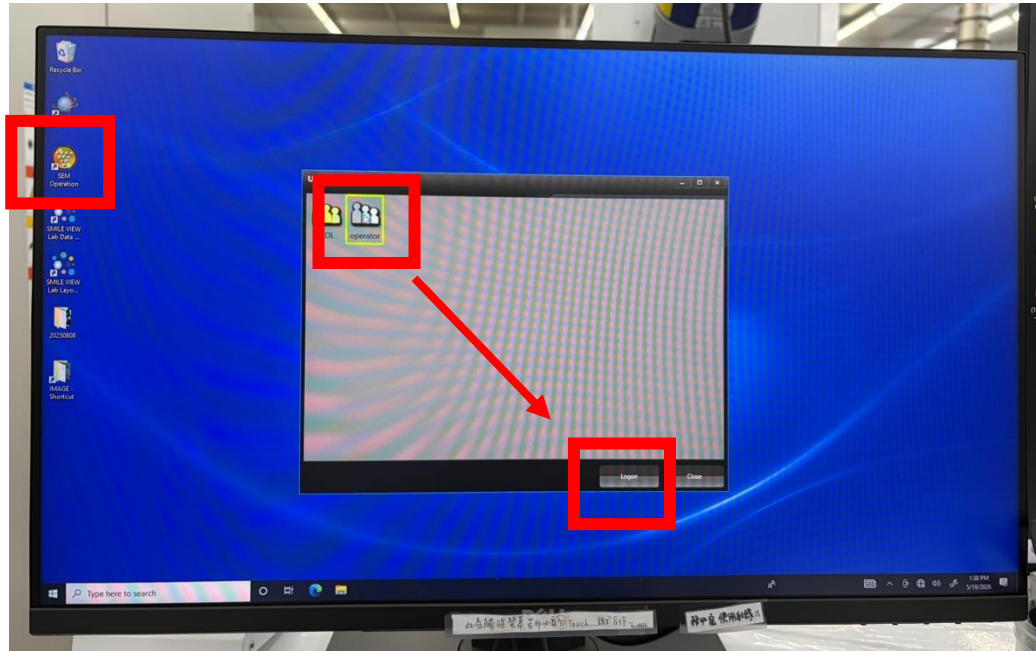
旋轉夾具固定載片
Rotary clamp to fix the carrier

載台安裝 Holder Installation

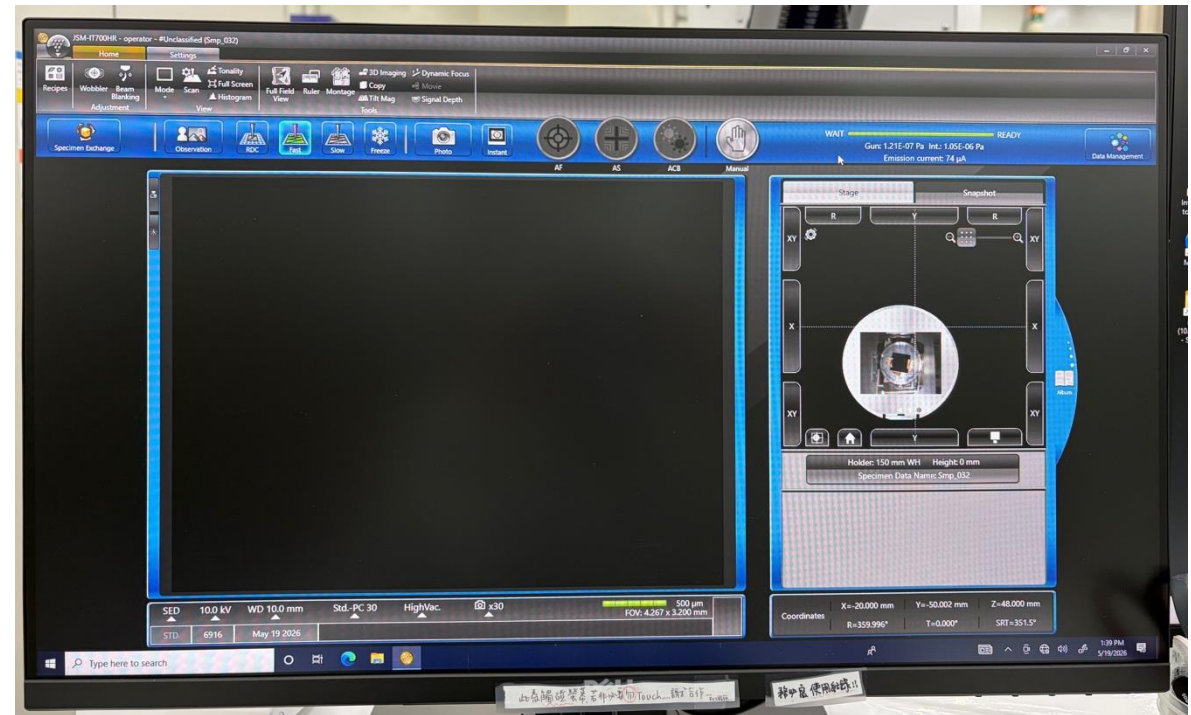


載台安裝後需用氮氣清潔表面
Holder needs to be cleaned with
nitrogen after installation.

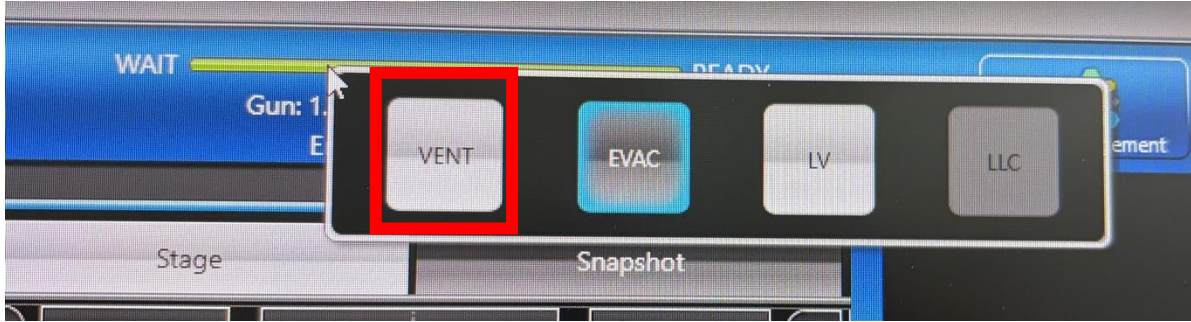
軟體操作 System Manipulate



於桌面開啟SEM Operation，
選擇operator並點選Logon
Open SEM Operation, select
operator then click Logon

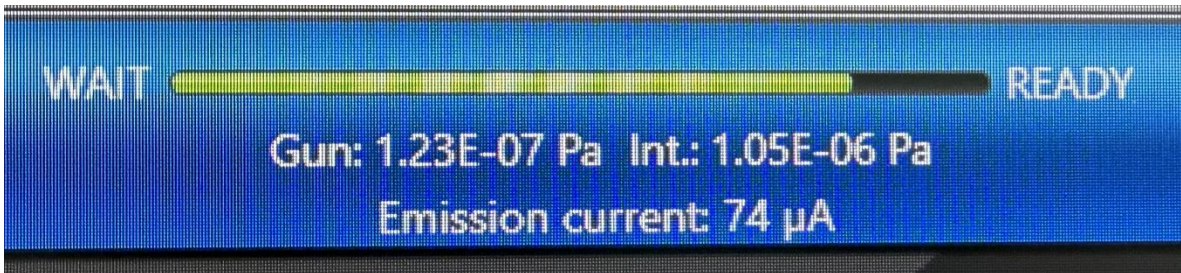


軟體操作 System Manipulate



點選綠色進度條後，
選擇VENT破真空

Click progress bar and select
VENT to vent chamber

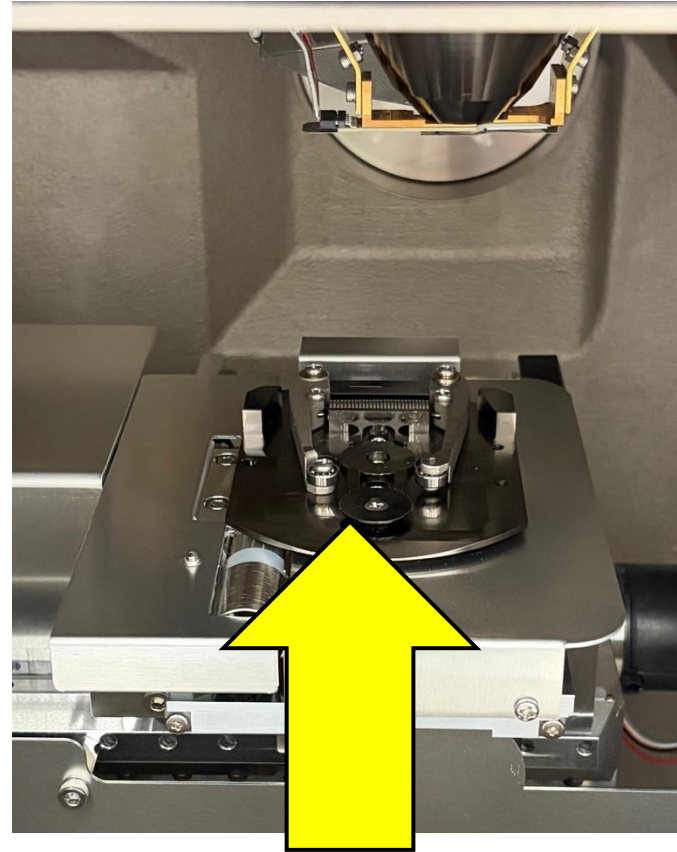


進度條變黑後即可打開外門
After progress bar turn dark,
open chamber's door

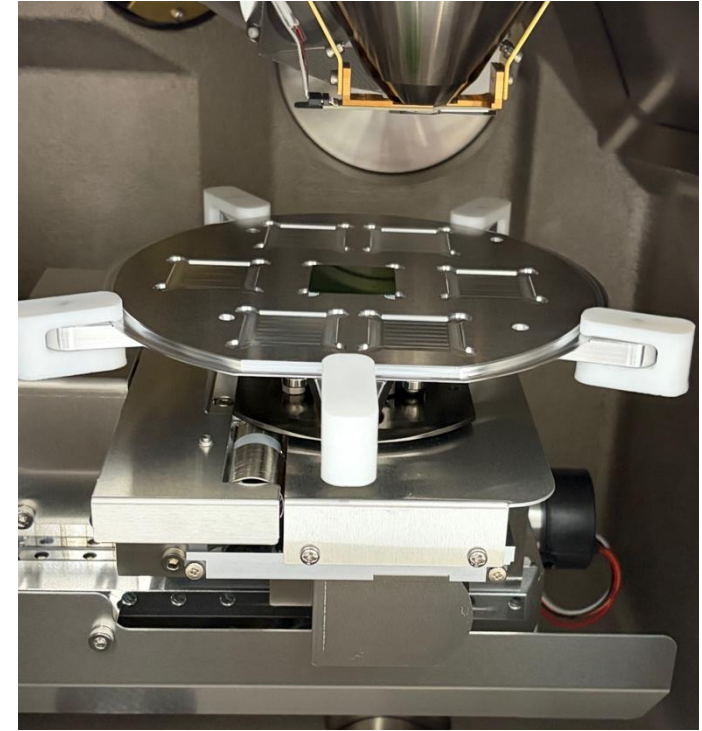
軟體操作 System Manipulate



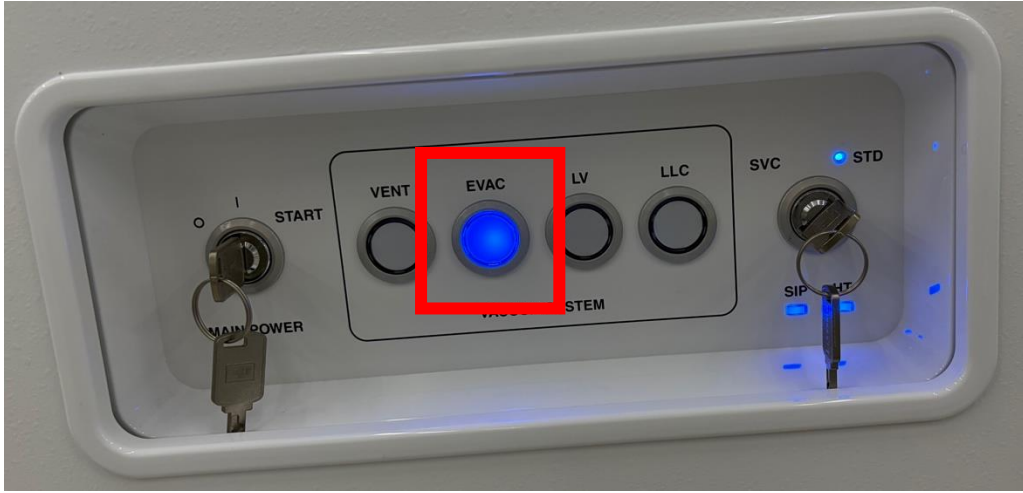
!!慢慢打開外門!!
!!Open the door slowly!!



!!慢慢放入載具!!
!!Slowly put in holder!!

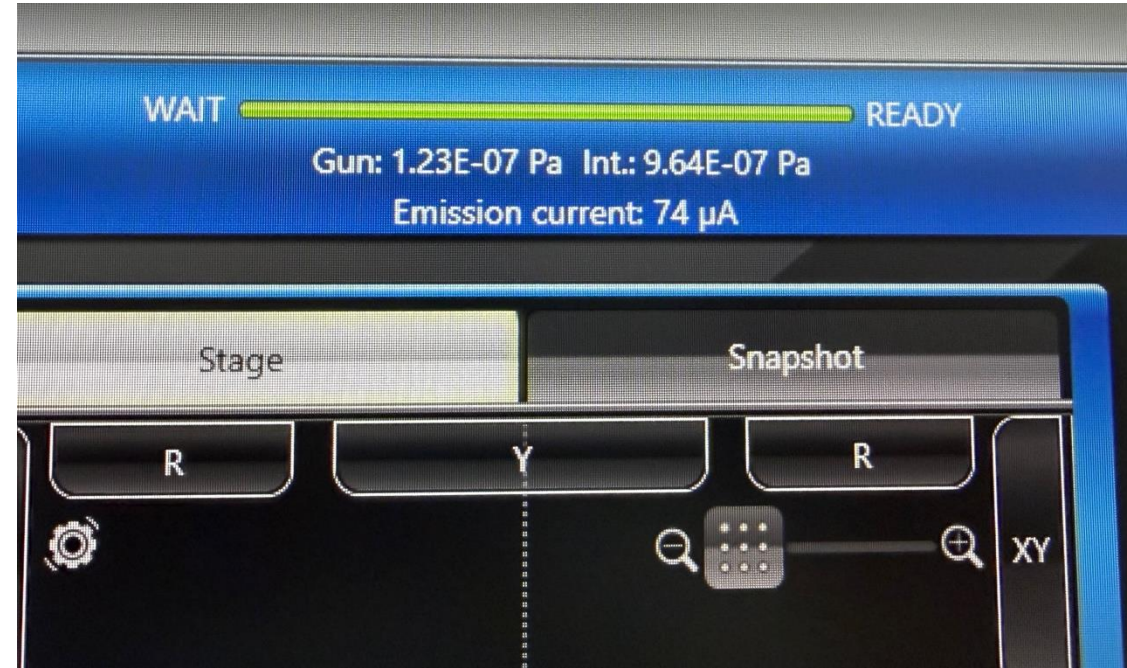


軟體操作 System Manipulate



慢慢關閉外門後，長按EVAC直到燈號閃爍

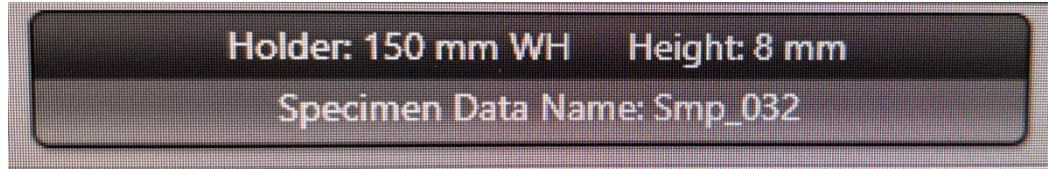
Close the door slowly, then press EVAC until the light flashing



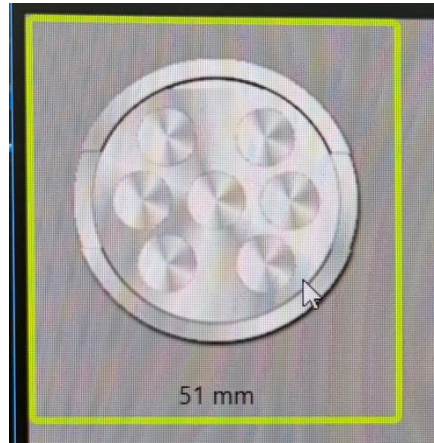
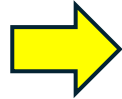
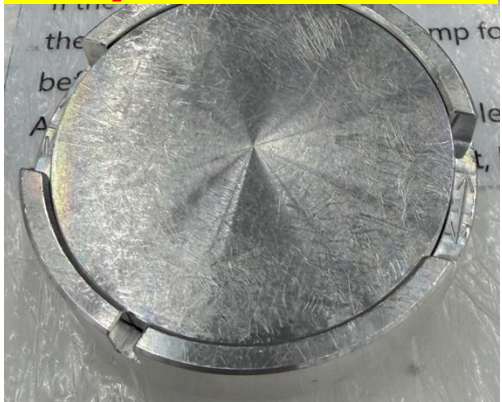
等待進度條變成綠色

Wait until the progress bar turn green

軟體操作 System Manipulate



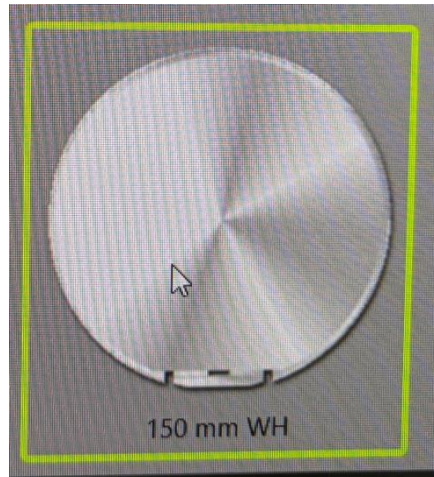
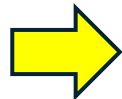
Chip size holder



Holder選擇及Height設定
Holder selection and height setup

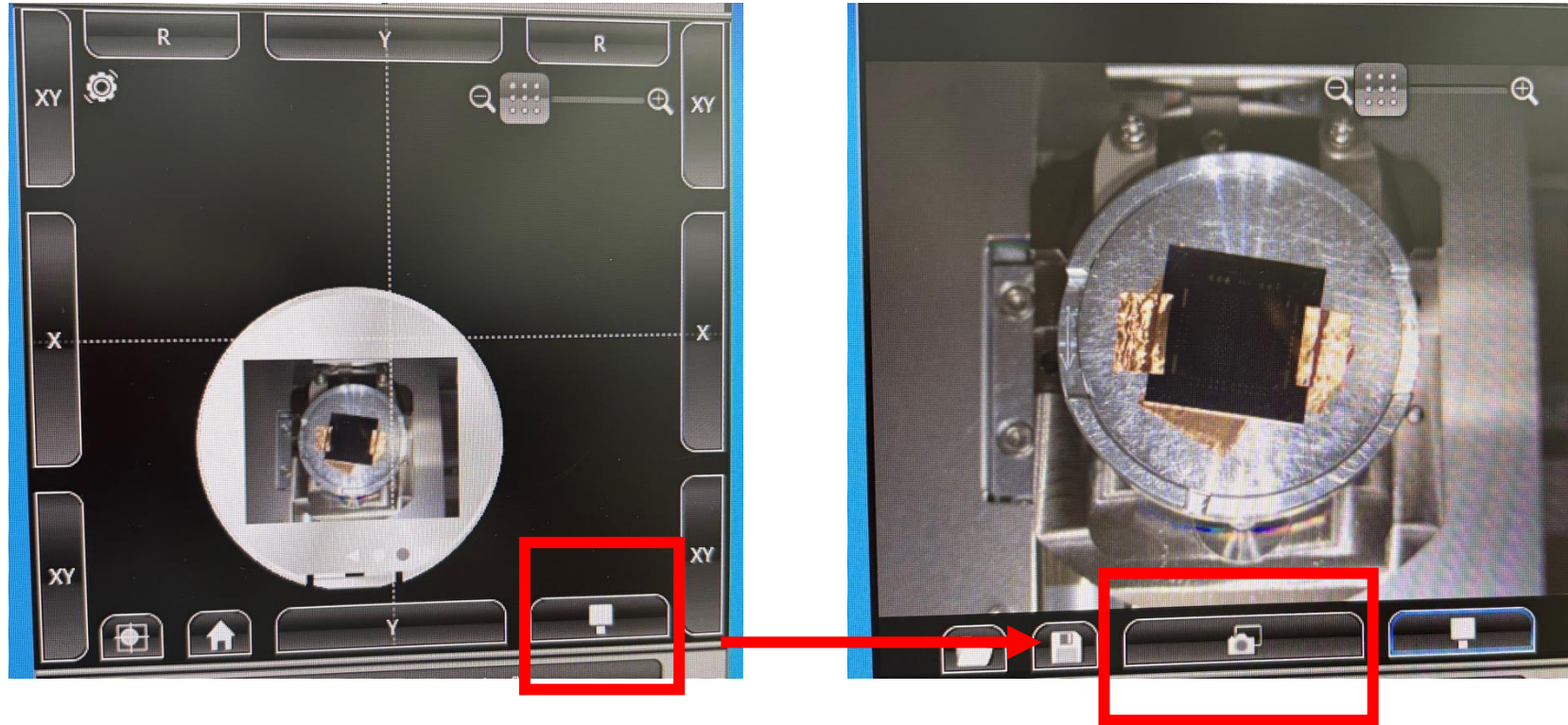
- 破片載台 chip size holder
Holder : 51 mm
Height : 0 mm

6 inch holder



- 大載台 6 inch holder
Holder : 150 mm
Height : 8 mm

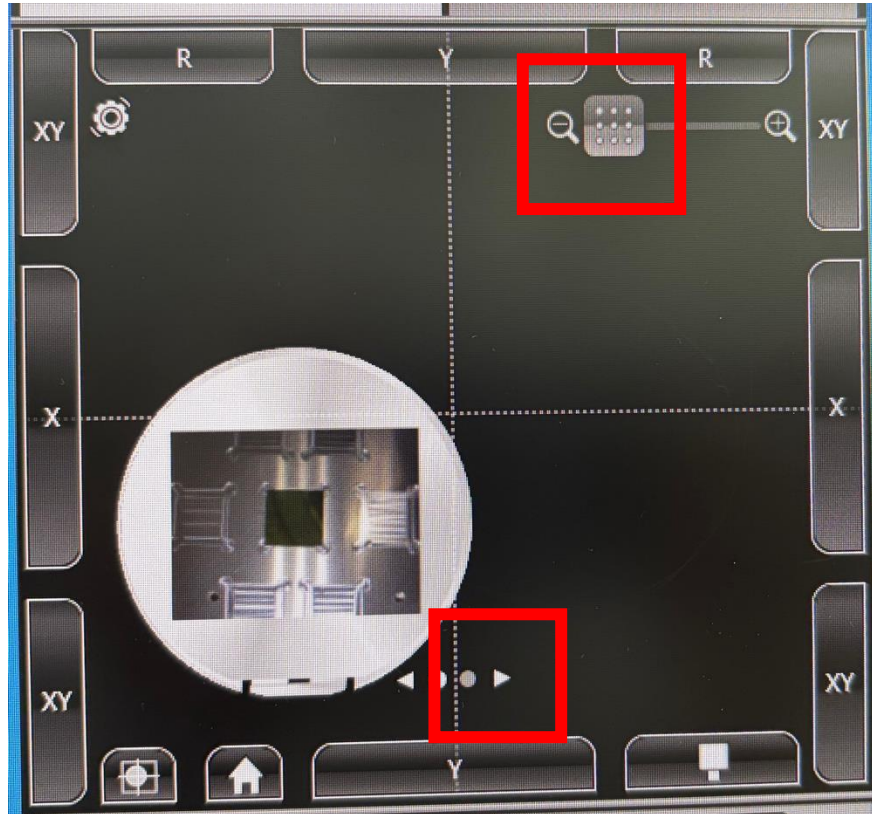
軟體操作 System Manipulate



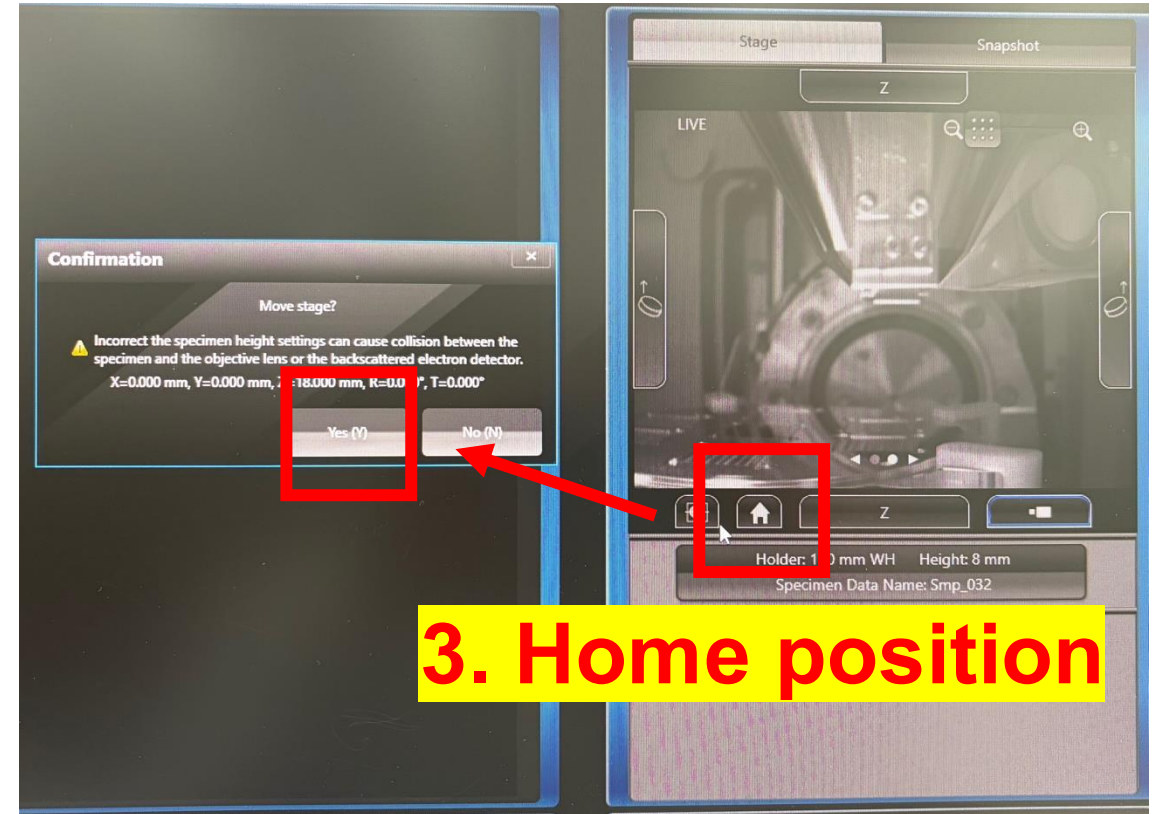
載台定位
Position holder

軟體操作 System Manipulate

1. Zoom out



2. Change to IR image



軟體操作 System Manipulate



載台位置確認後，打開
Observation

Once the stage is in the
correct position, click

Observation

1. **RDC** : 局部掃描
2. **Fast** : 快掃
3. **Slow** : 慢掃
4. **Freeze** : 凍結畫面

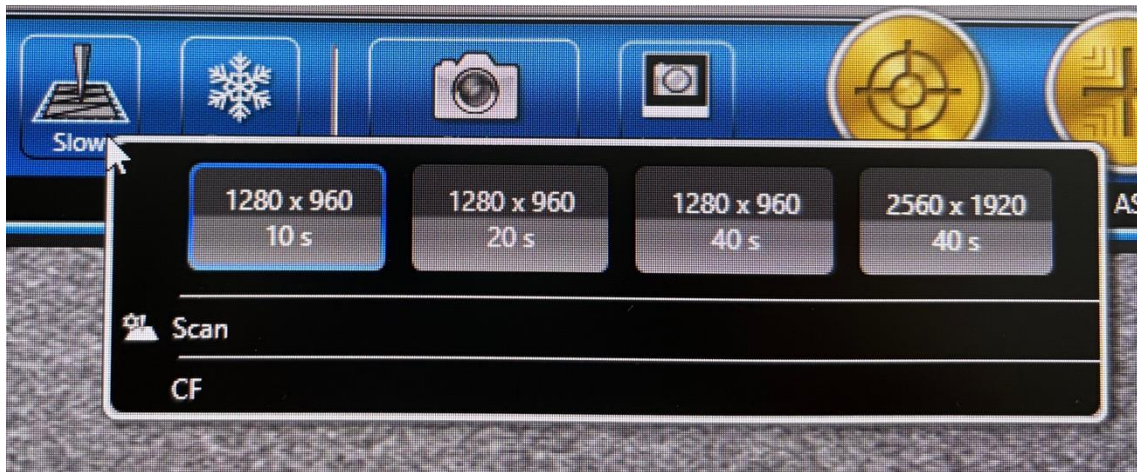


AF : Auto focus

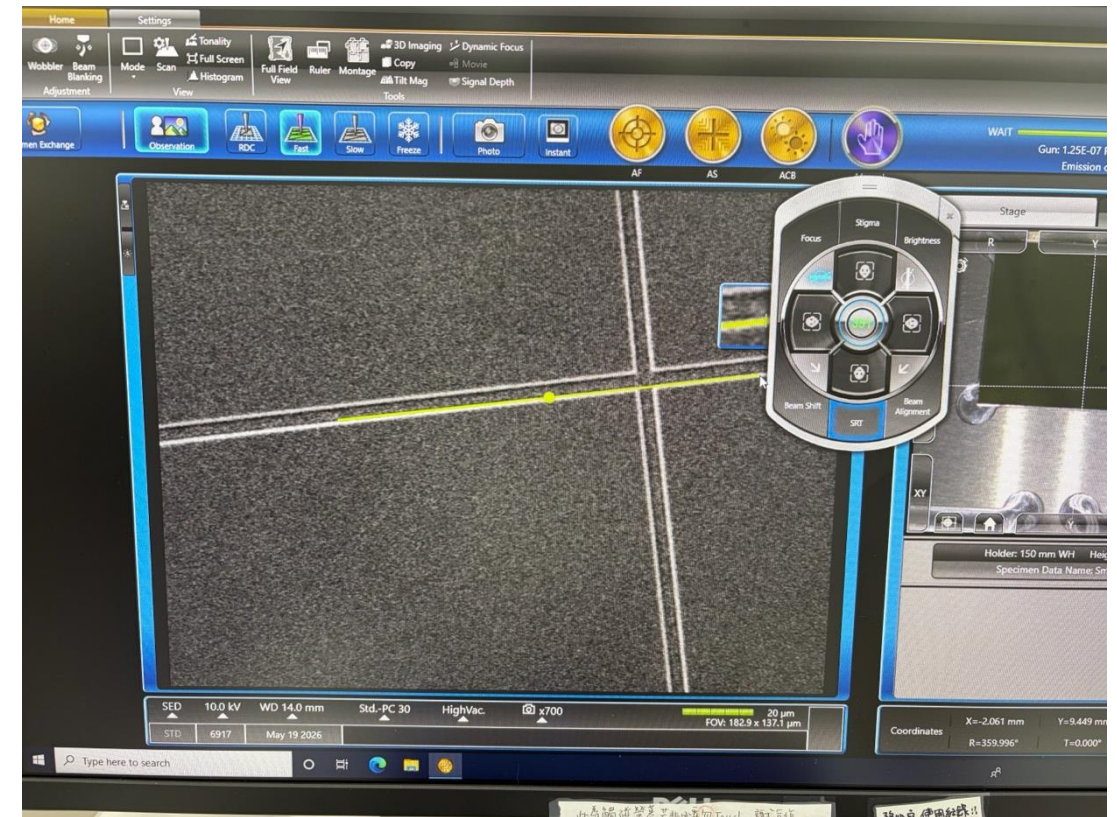
AS : Auto stigma

ACB : Auto contrast & brightness

軟體操作 System Manipulate

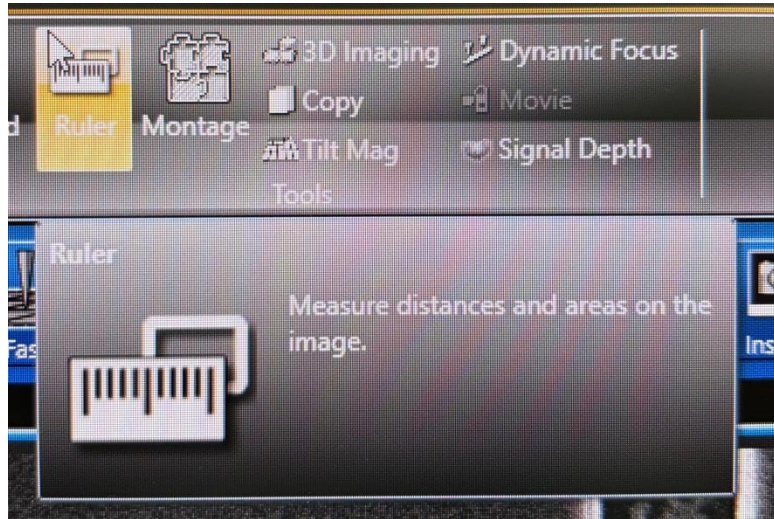


右鍵slow調整慢掃速率
Right click slow to
adjust scan rate

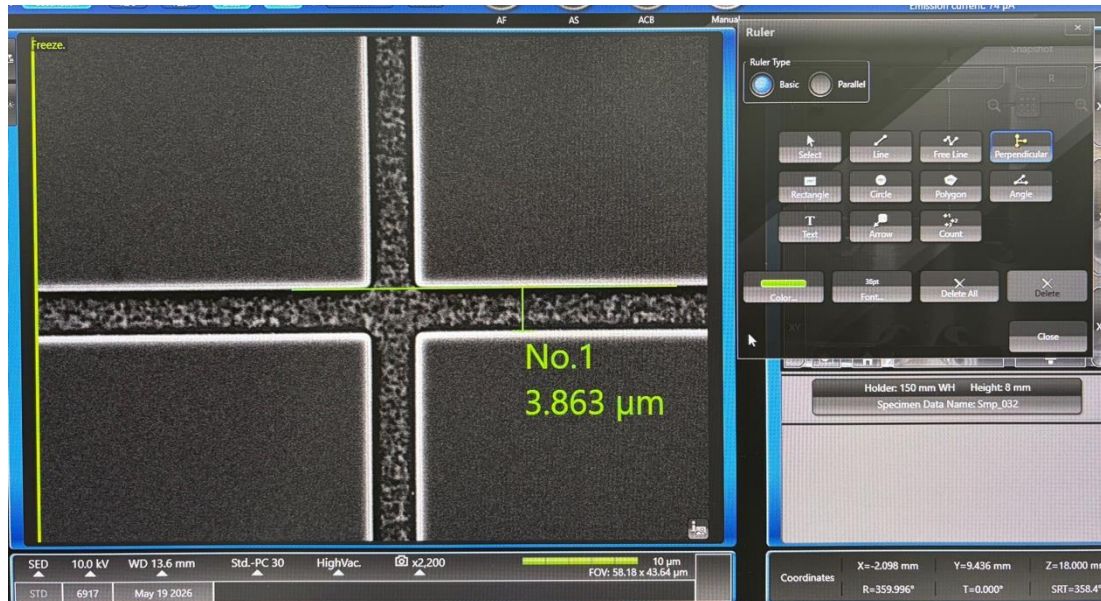


透過Manual的SRT功能旋轉影像
Rotate image by SRT in Manual

軟體操作 System Manipulate



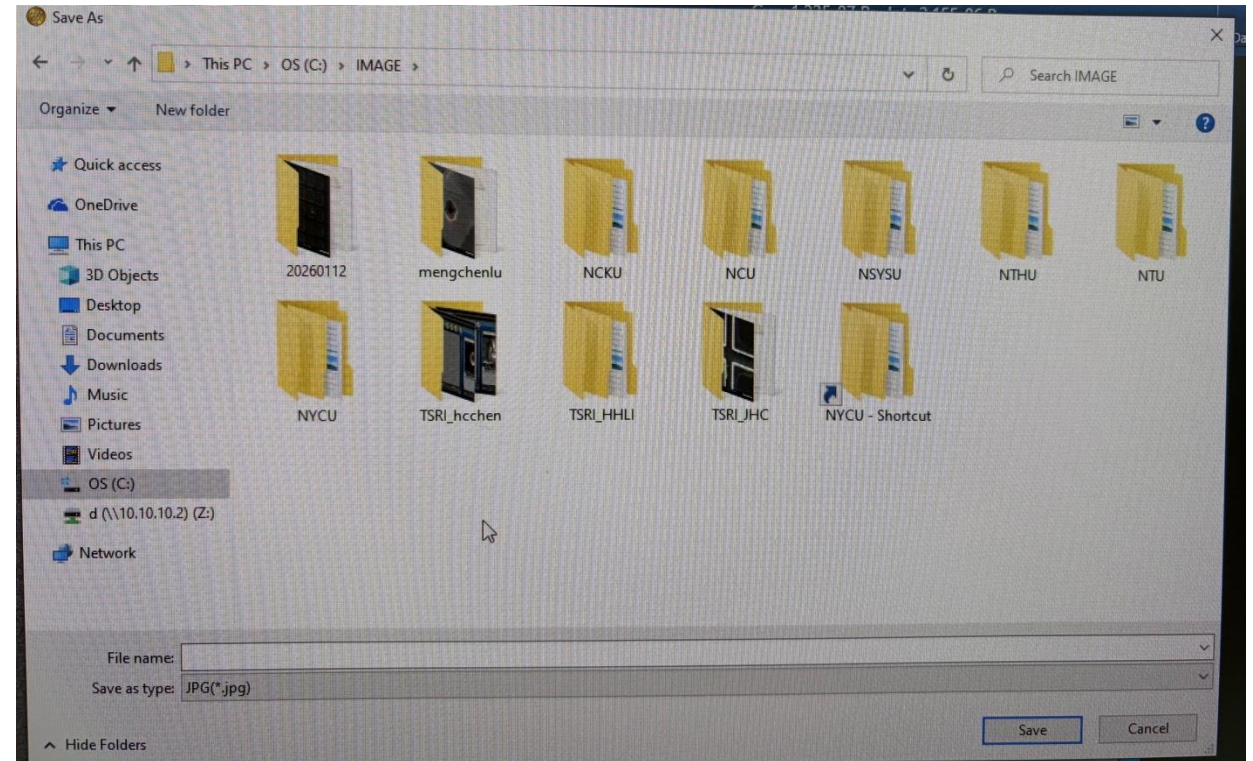
透過Ruler功能量測
Measure line width by Ruler



!! 如要存取含尺寸的圖，Ruler功能
不能關閉 !!

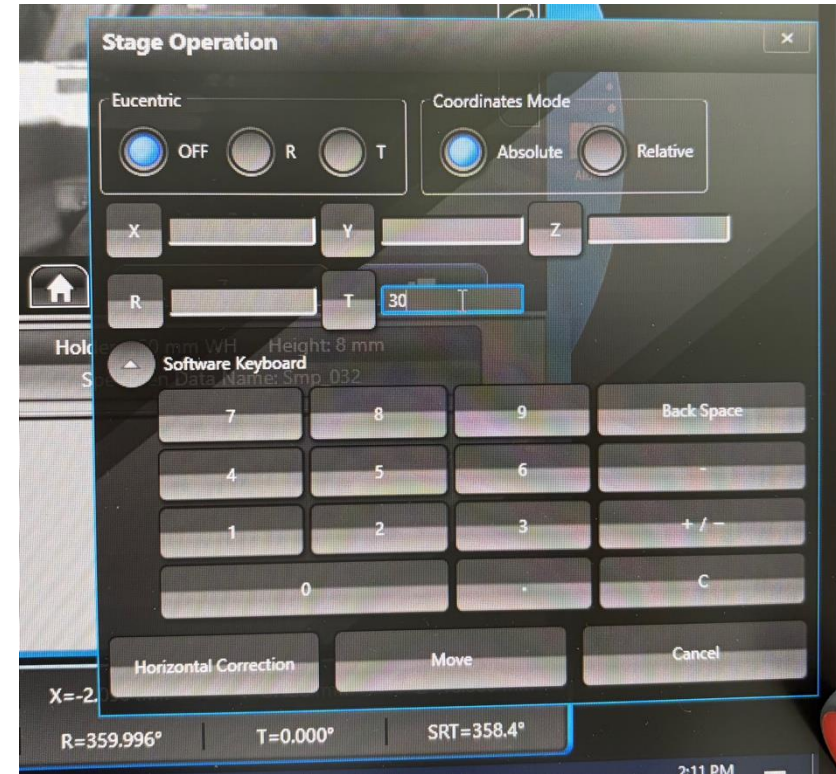
To save the measured image,
Ruler function shouldn't be closed.

軟體操作 System Manipulate



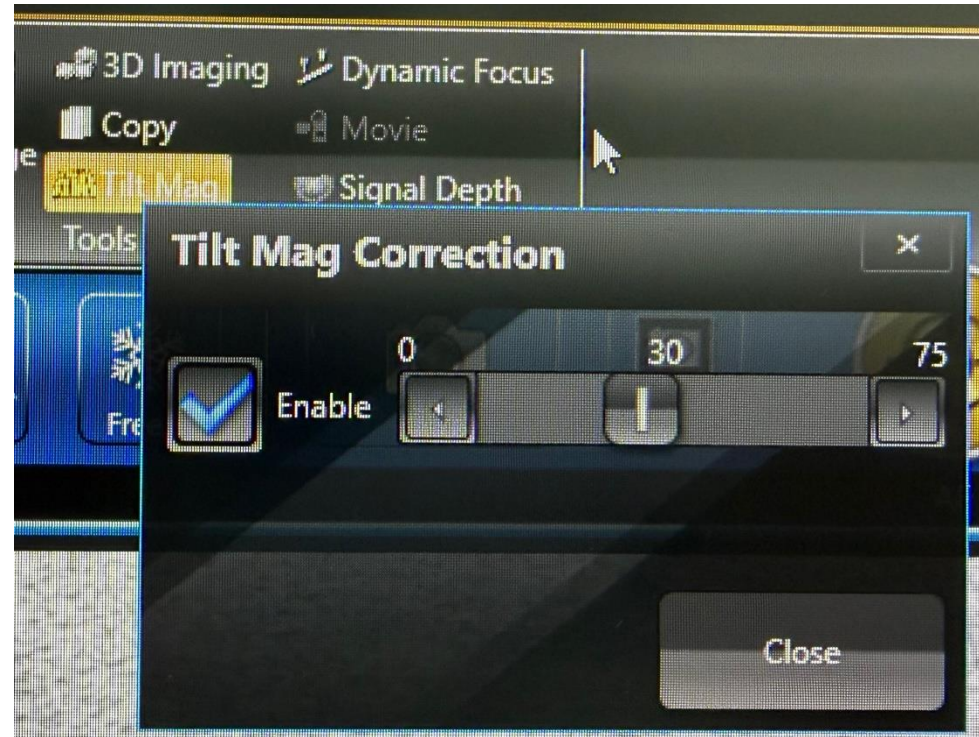
存檔路徑 Save location
OS (C) / IMAGE /

Tilt操作 Tilt Manipulate



Z 軸應調至20 mm, 再做tilt 角度設定
Z position should adjust to 20 mm,
then set the tilt angle

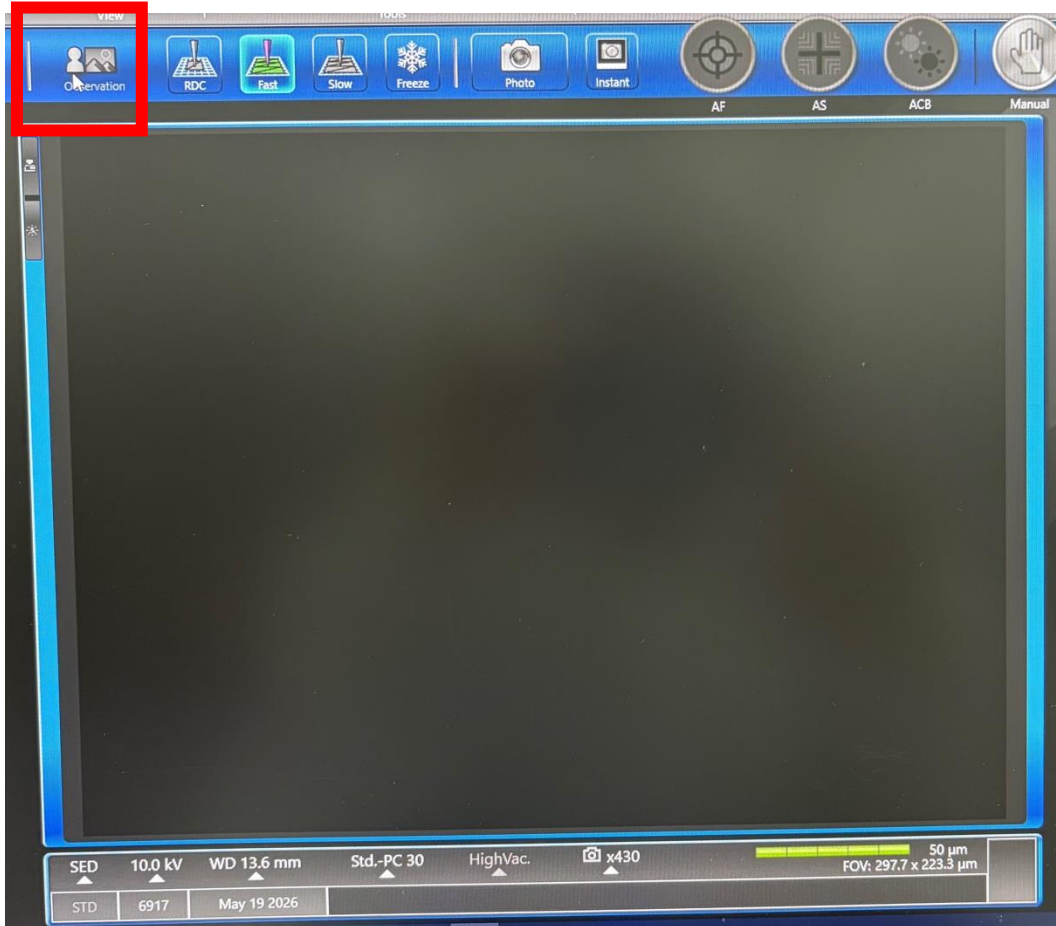
Tilt影像修正 Tilt Image Correction



Tilt 角度應與修正角度一致

The correction angle should be the same as tilt angle

關機操作 Turn off



關閉Observation後才可點選
VENT，並取出Holder
After close Observation, click
VENT, then take out holder

!! Holder 取出後需抽回真空 !!
!! Chamber should be evacuated
after take out holder !!

