

## Instruction to open a FFTC and a sample holder

### Parts Name

#### <Sample holder assembly>



1. Fixing ring
2. Wave washer
3. Quartz window
4. Sapphire dish
5. Holder

#### <FFTC (Facility-to-Facility Transfer Container)>



1. Sample holder
2. Wave washer
3. Pack-holder
4. FFTC base
5. FFTC lid

**<Sample holder opening tool>**



1. Sample holder stage  
2. Opening tool

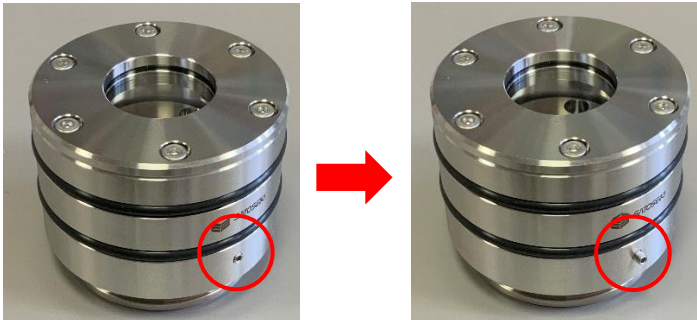
**Procedure**

**<Taking a sample holder from FFTC>**

Recommend not to put a FFTC in vacuum condition. Inside the FFTC may be negatively pressurized by evacuation and FFTC cannot be opened. See “Troubleshooting” if this happens.

1) Loosen a socket set screw using a 1.5 mm hex wrench

\* No need to remove the socket set screw



2) Unscrew a lid of FFTC

\* Do not remove screws on the FFTC lid.



2) Remove two screws using a 2.5 mm hex wrench



3) Slowly remove a lid of pack-holder, and take a sample holder

\* Be sure that a wave washer is placed under the sample holder. If you remove the lid quickly, the sample holder may jump up and drop.

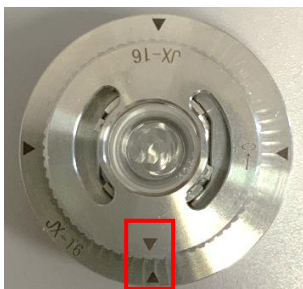


### <Opening a sample holder>

1) Put a sample holder on the sample holder stage



2) Put the opening tool on a sample holder and align the arrow marked on the opening tool and the holder stage (eighter is fine).



3) Gently press and rotate the opening tool counterclockwise



4) Remove the opening tool, fixing ring, and wave washer

5) Open the quartz window

### Troubleshooting

<Unable to open FFTC lid after evacuation>

FFTC cannot be opened if inside the FFTC is negatively pressurized if the FFTC is put in a vacuum condition (ex. evacuation to install FFTC to glove box). In this case, loosen the six screws on top of the FFTC to equalize the pressure between inside and outside the FFTC.



<Sample holder opening tool not working properly>

If the opening tool does not work properly, you can also use a tweezer to remove the fixing ring. In this case, be careful not to drop the sample holder from the holder stage.

