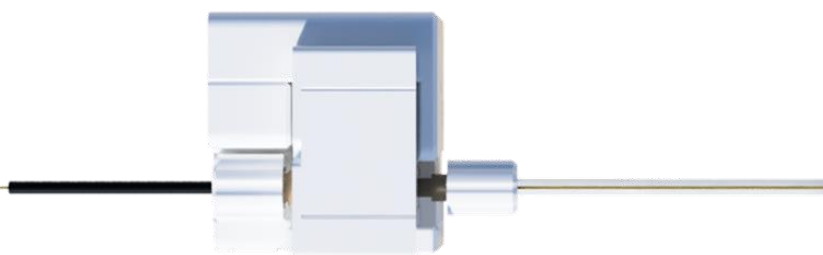


SIMPLE LINK - UNO 1/32"

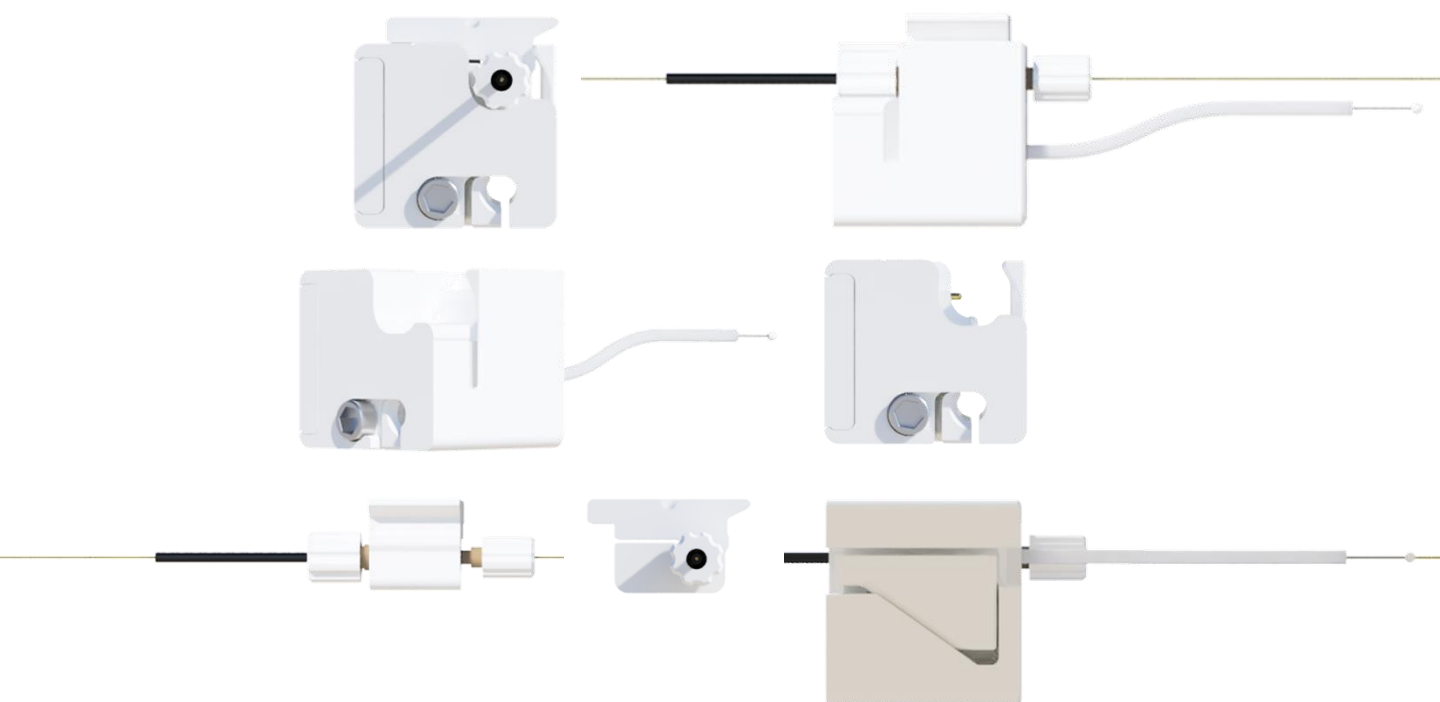
- Provides voltage to the electrospray and connects the column and emitter with an accessible Zero Dead Volume fitting
- Reduces complexity and chances of error.
- Tool-free operation
- Integrates a VICI (1/32 sleeve, 1 nl swept volume) fitting.
- Compatible with Nano Flex

SIMPLE LINK UNO is the ideal solution for former users of metal emitters to migrate to the Sharp Singularity™ (mechanically sharpened fused silica emitters).

SIMPLE LINK UNO 1/32"



- SIMPLE LINK UNO is clamped to the Flex pole.
- The ZDV is comfortably assembled outside, and it simply clicks in.
- SIMPLE LINK UNO collects the voltage from the Flex emitter clamp and passes it to the ZDV fitting and the electrospray. No conductive coating required.
- With no extra wires, SIMPLE LINK provides a clean and robust set-up.

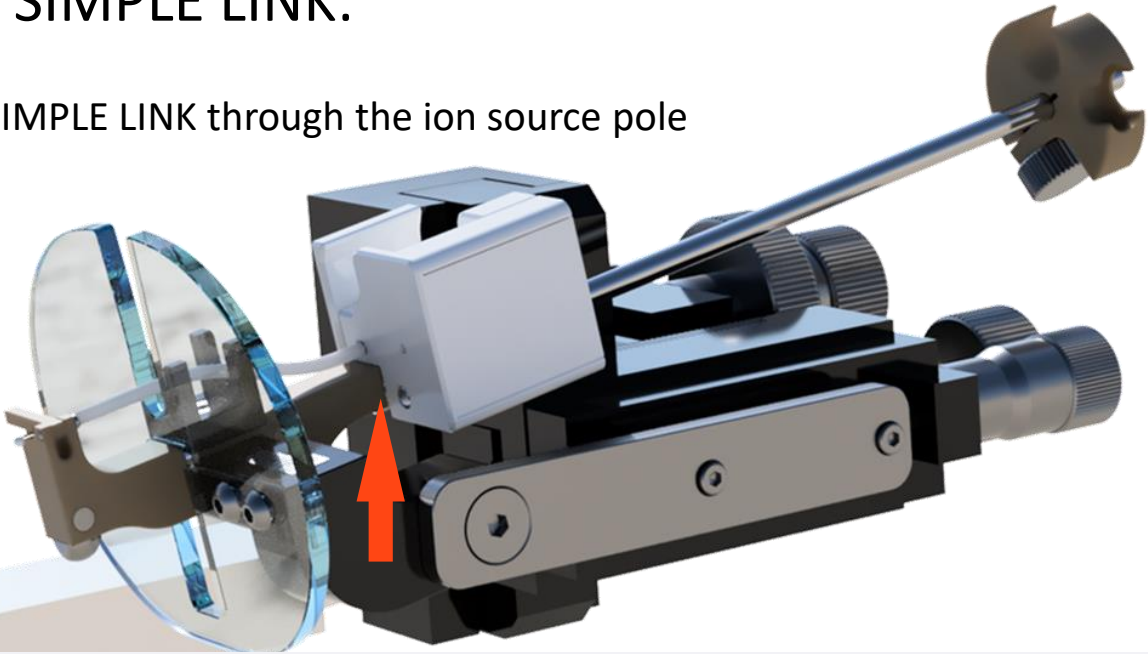


SIMPLE LINK UNO 1/32 incorporates a VICI Cheminert 360 nano volume fittings, with a 1/32" sleeve on the column side and a 360 μm ferrule on the emitter side. Inner diameter 50 μm , estimated swept volume $\sim 1\text{nL}$

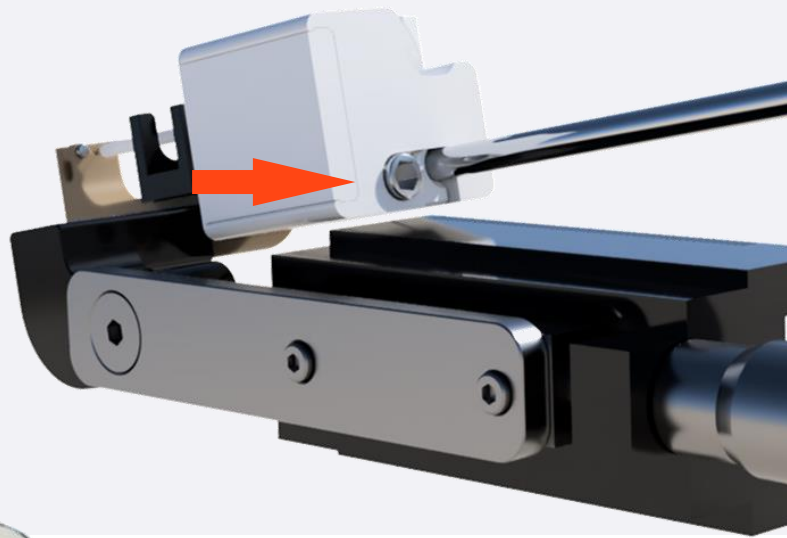
SIMPLE LINK UNO 1/32"

Install SIMPLE LINK:

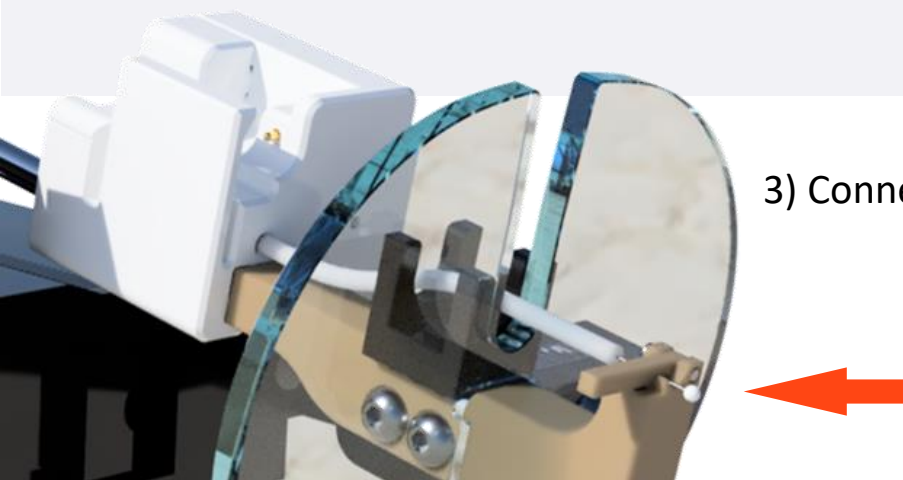
1) Slide SIMPLE LINK through the ion source pole



2) Tighten SIMPLE LINK's clamp



3) Connect SIMPLE LINK to Voltage

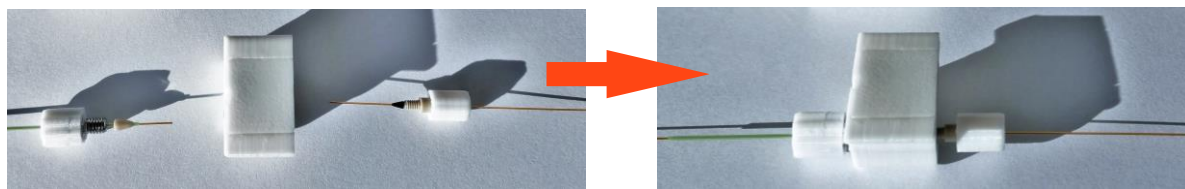


SIMPLE LINK UNO 1/32"

Connect the nLC column and Emitter:

1) Connect the Zero Dead Volume fitting.

Make sure that there are no dead volumes between the sleeves, the emitter and the column. All elements must sit properly in their corresponding position. The Sharp Singularity™ emitters have a straightened and polished back end to ensure a good fit. SIMPLE LINK facilitates this step by allowing you to assemble the ZDV fitting outside the ion source without tools



Important: The Simple Link Uno 1/32" incorporates a VICI Cheminert™ 360 µm fitting, with a very small ferrule on the side of the emitter. For optimum performance, and to avoid damaging this ferrule, follow the tightening instructions carefully:

1. Slide the nut/ferrule onto the emitter back end, exposing it beyond the ferrule by at least 1 mm
2. Gently and slowly crew the nut/ferrule/emitter assembly into the main body until the ferrule makes initial contact with the emitter. To determine this point, grip the emitter and gently slide it in and out as you screw the nut. At the , until you feel a 'very slight' resistance. **Caution** Do not pull the emitter beyond the ferrule during this process.
3. Push the emitter in until it sits firmly into the bottom of the fitting
4. Tighten the nut half a turn (180°). Do not overtighten the nut. This could damage the ferrule.

2) Click the ZDV assembly into the SIMPLE LINK. .

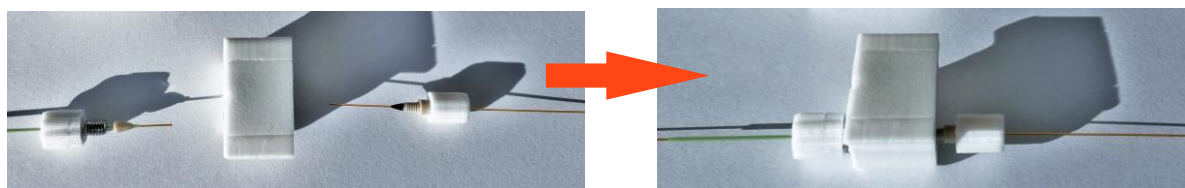


SIMPLE LINK UNO 1/32"

Connect the nLC column and Emitter:

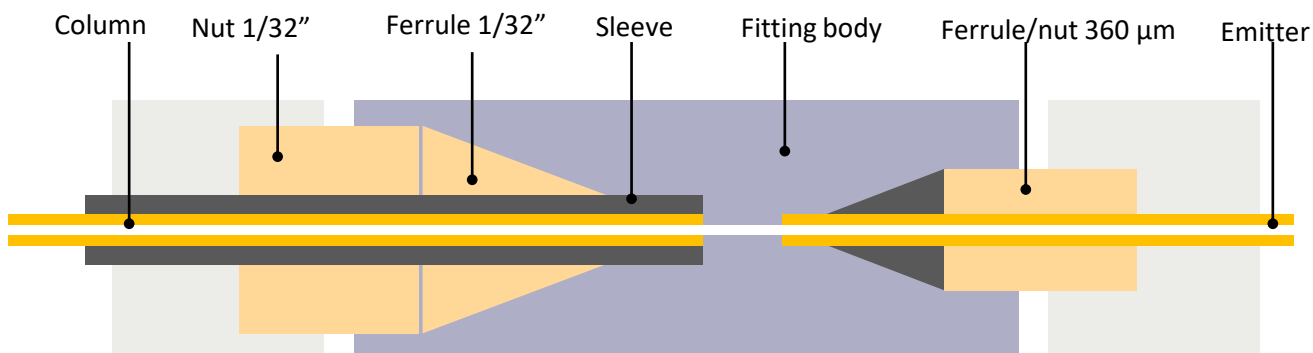
1) Connect the Zero Dead Volume fitting.

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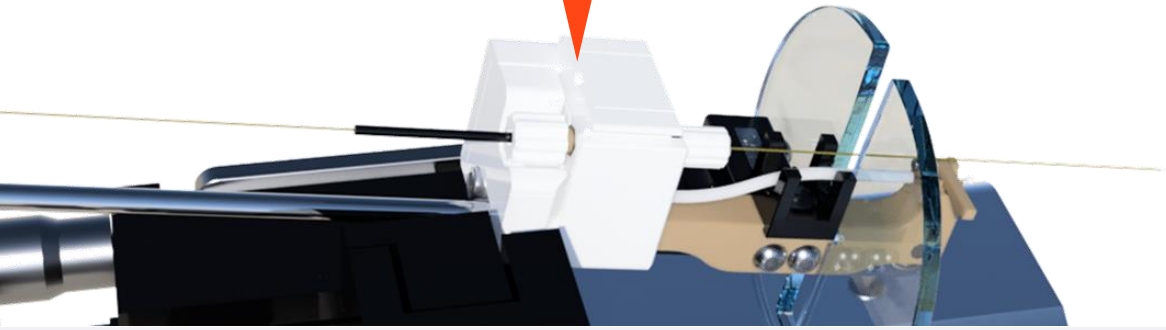


SIMPLE LINK UNO 1/32"

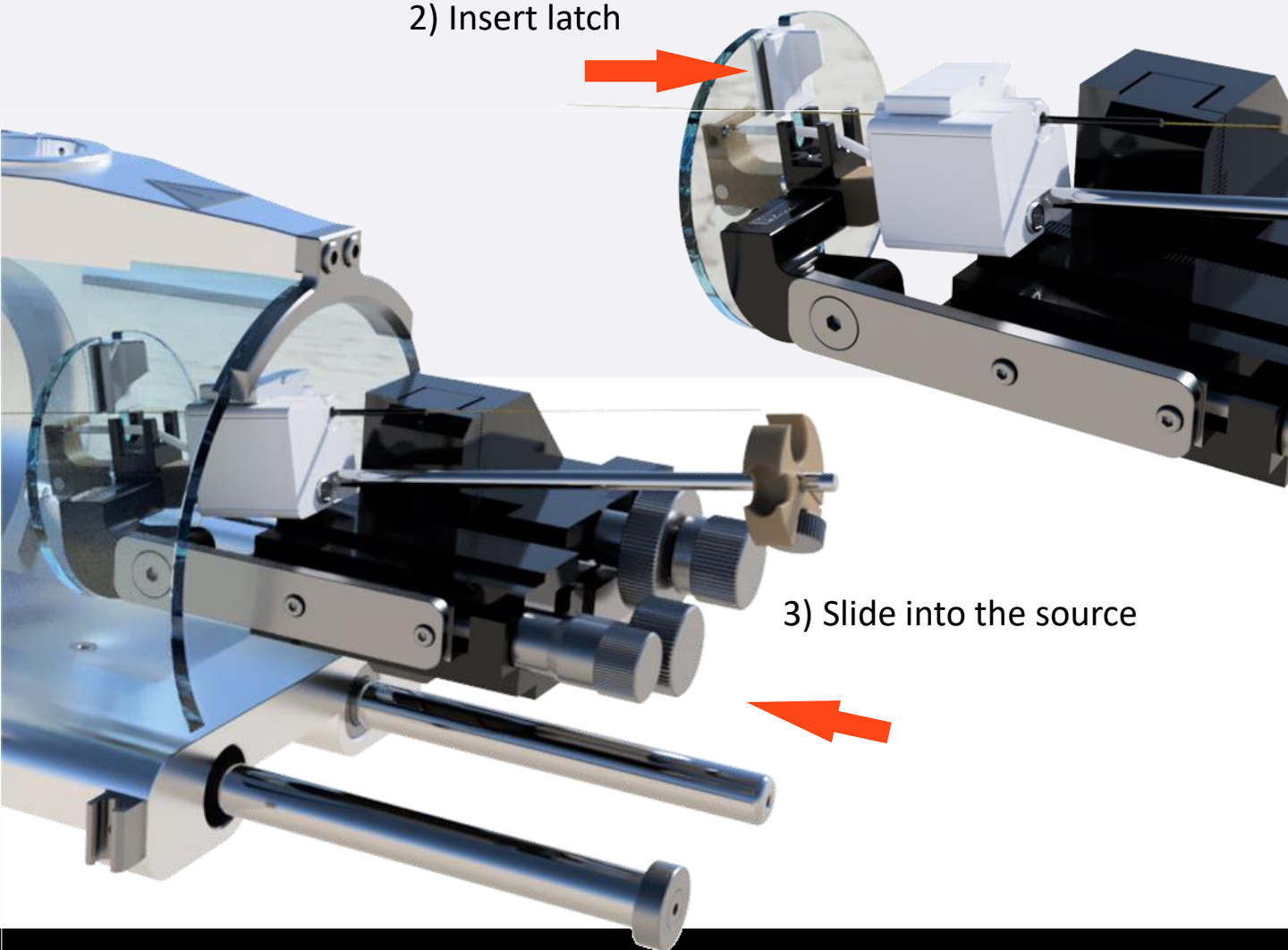
Bring to source:



1) Click the ZDV assembly into the SIMPLE LINK.



2) Insert latch



3) Slide into the source

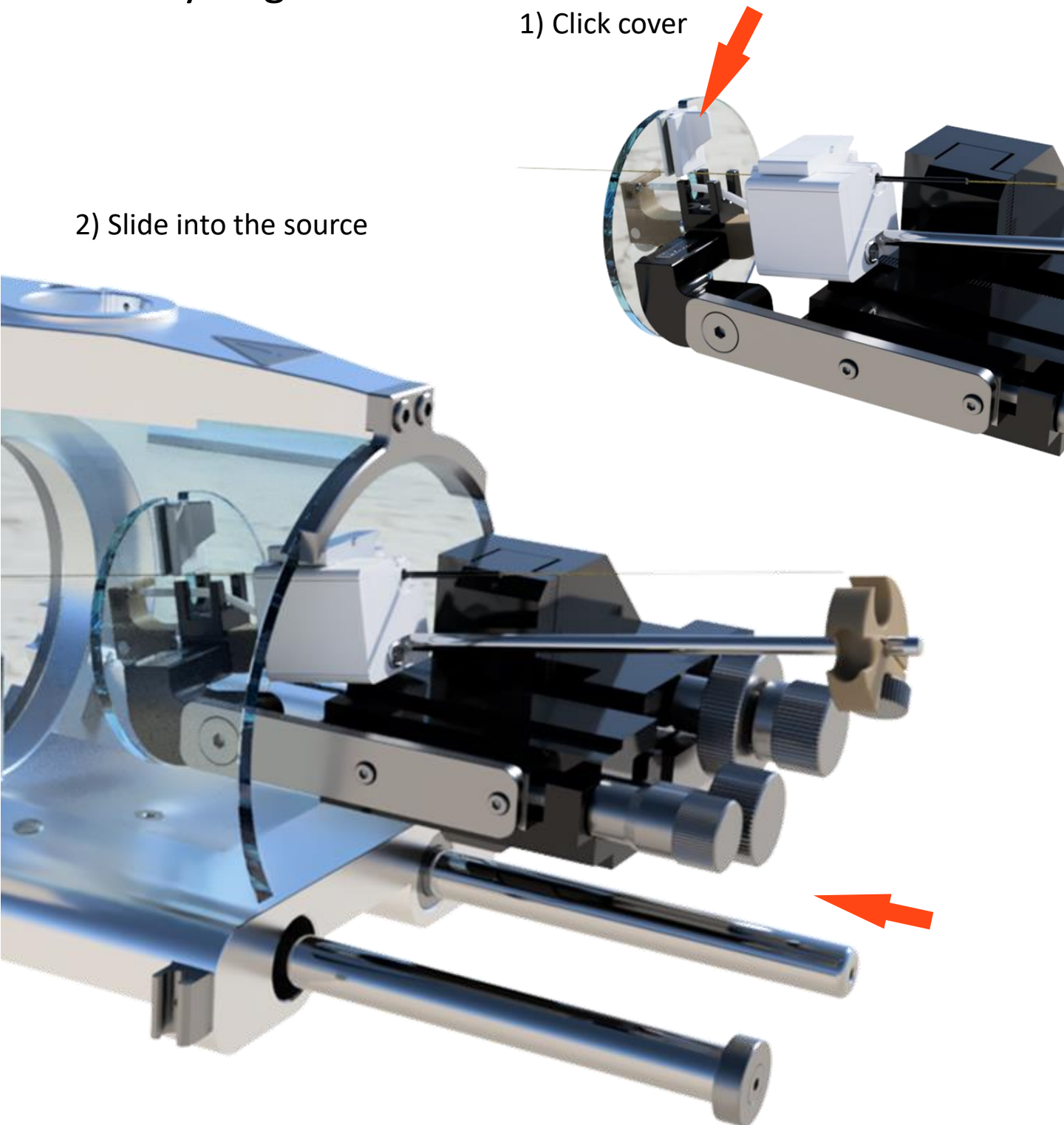


SIMPLE LINK UNO 1/32"

Ready to go:

1) Click cover

2) Slide into the source



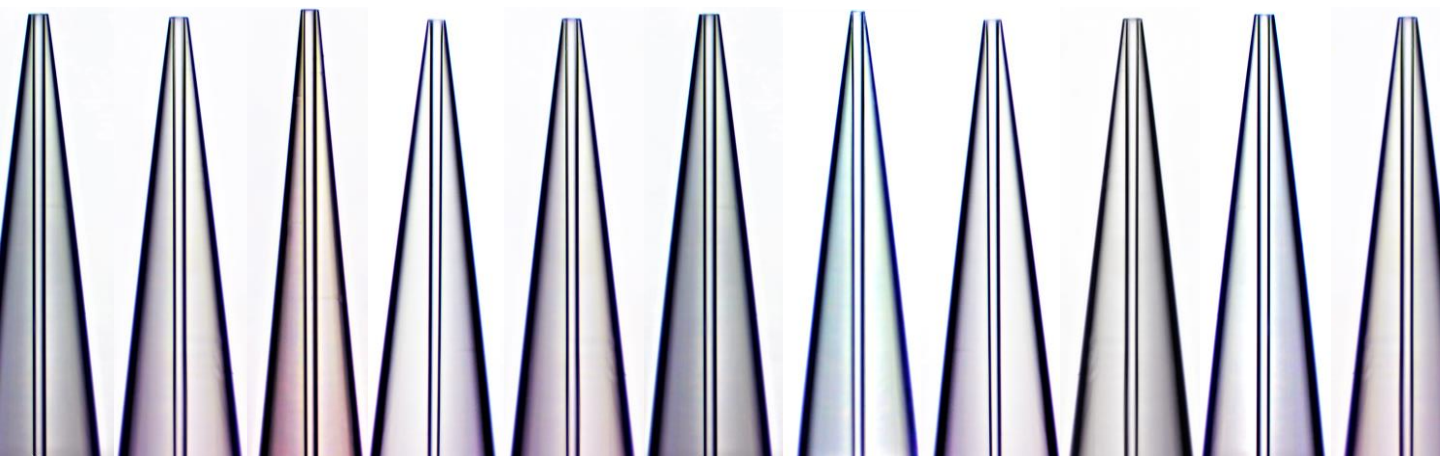
SIMPLE LINK UNO

Why would you want to integrate the Sharp Singularity™?

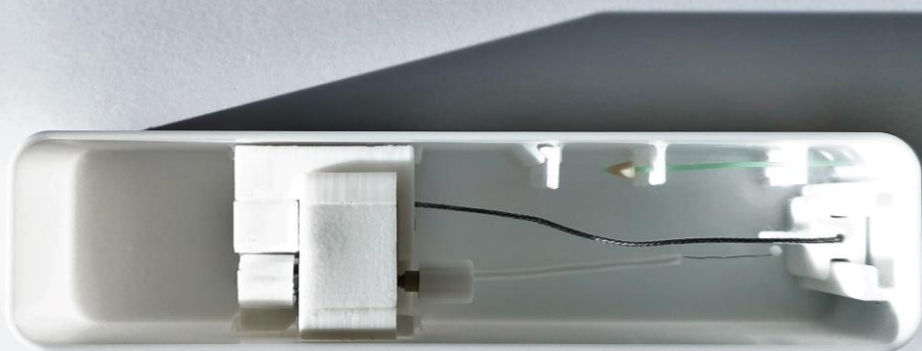
To improve the quality of your data
with robust and repeatable nano-electrospray ionization

How the Sharp Singularity emitters improve ionization:

- very acute angle,
- well-defined edges,
- constant ID,
- geometric reproducibility
- full traceability and quality control



Find more information in www.fossiliontech.com
Write to info@fossiliontech.com or your local distributor to order your emitters



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