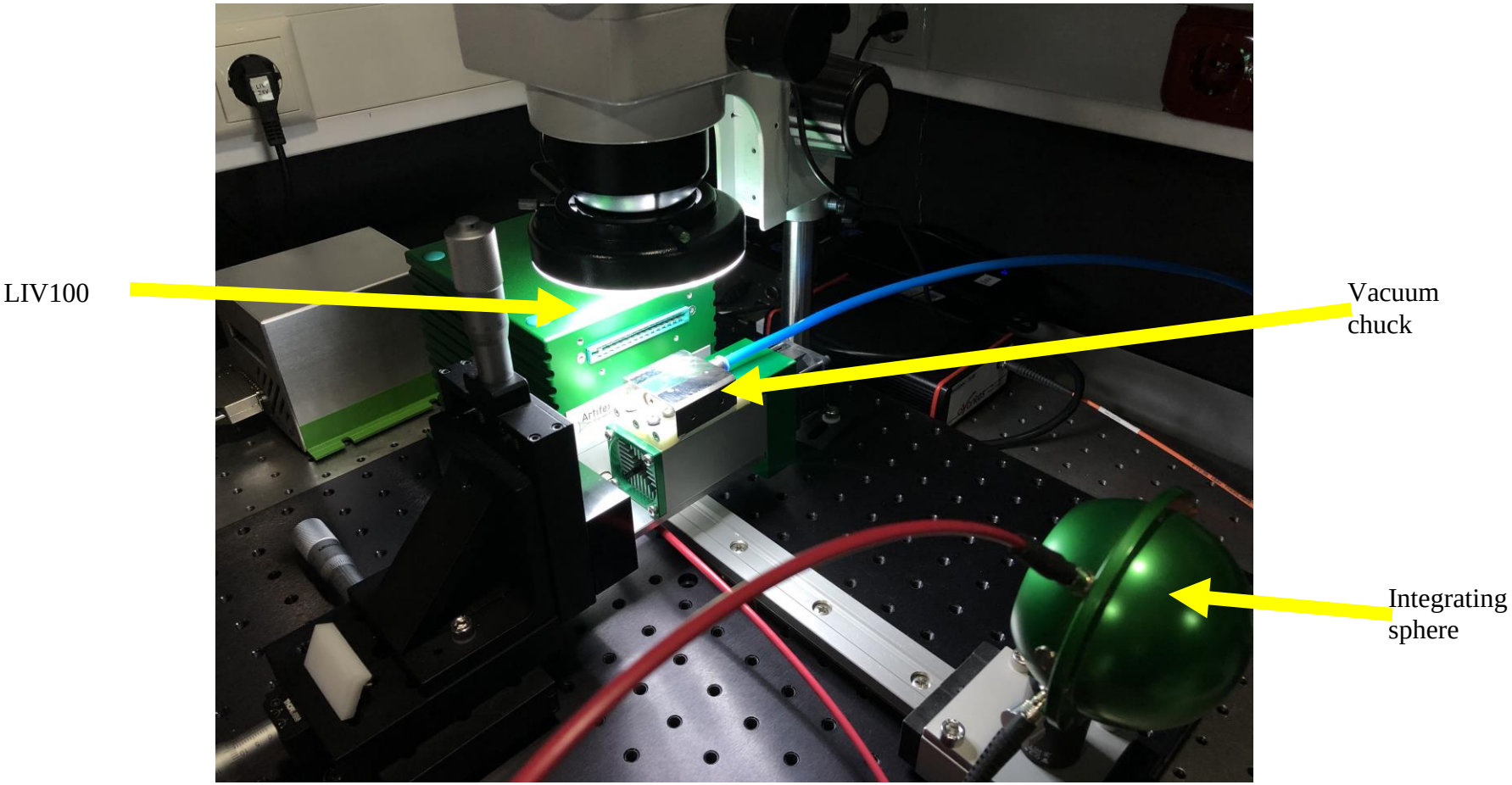
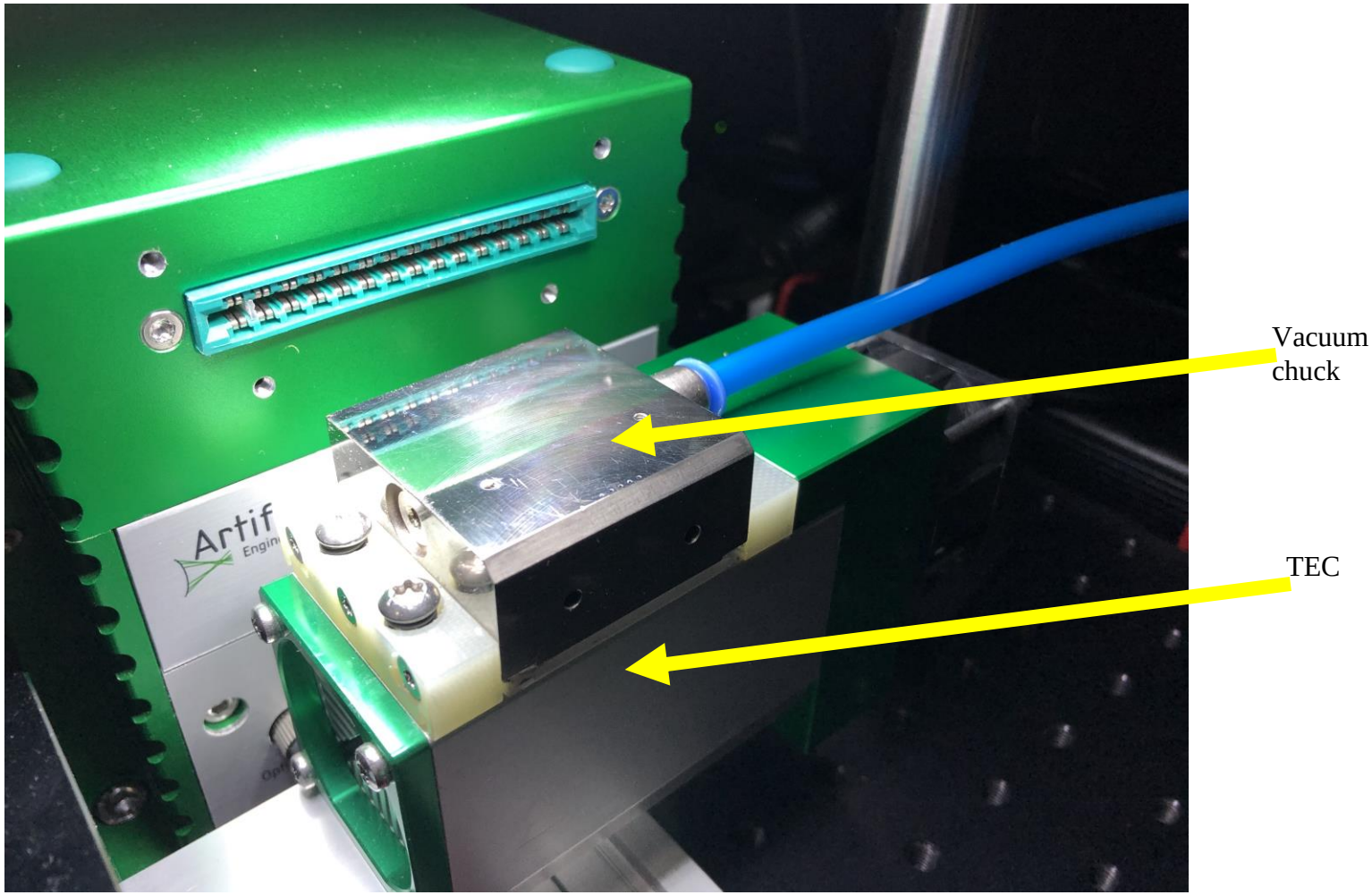
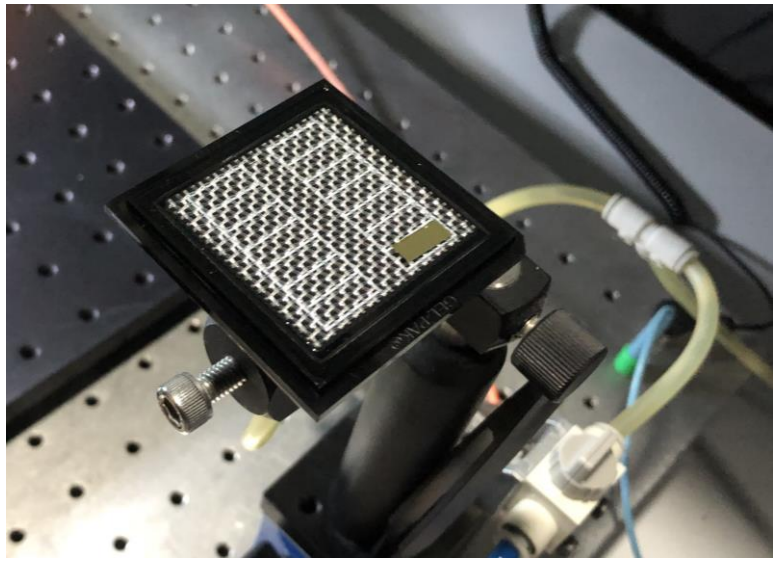
Contacting Single Emitters of a Laser Bar on a Vacuum Chuck

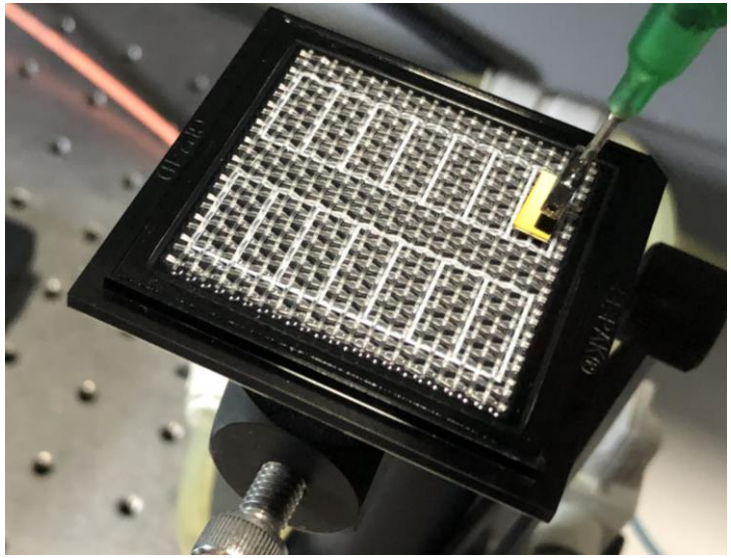
Artifex Engineering GmbH & Co. KG
Dortmunderstr. 16-18
26723 Emden, Germany

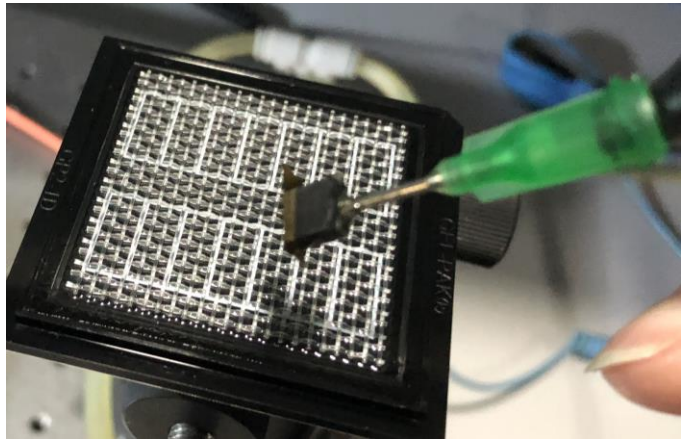
Tel.: +49-(0)4921-58908-0
Fax: +49-(0)4921-58908-29
Email: sales@artifex-engineering.com
Web: https://www.artifex-engineering.com


LIV100
Vacuum chuck
Integrating sphere

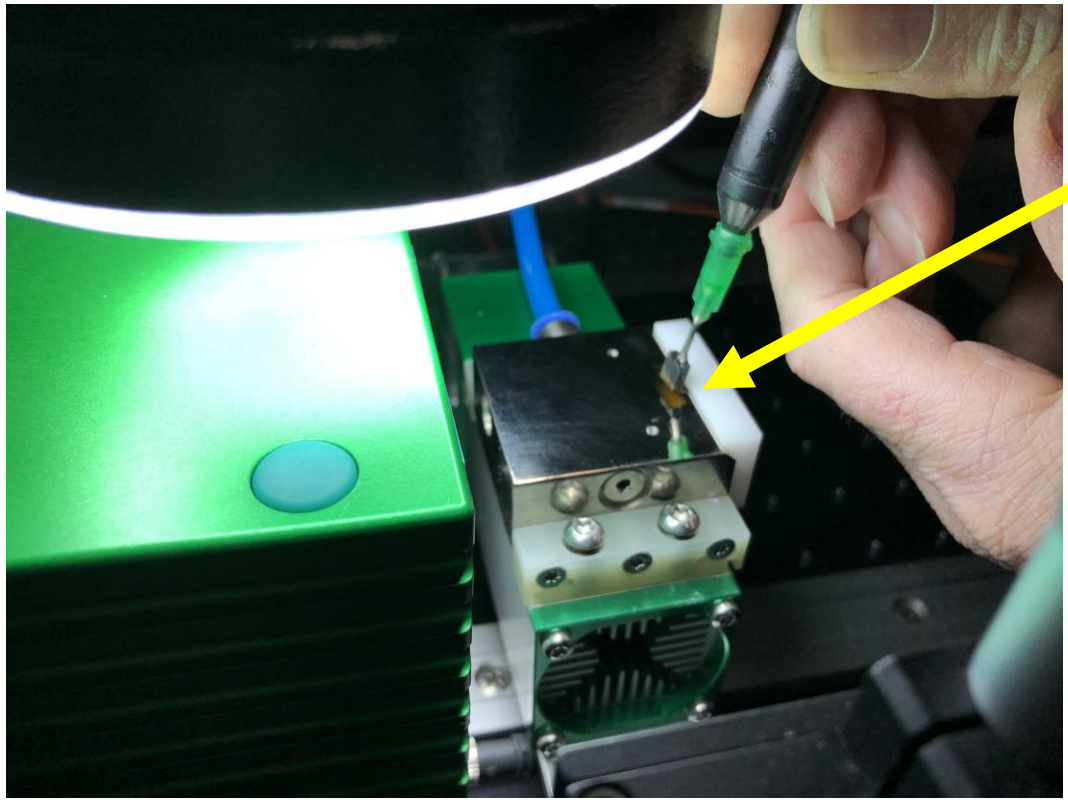

Vacuum
chuck
TEC



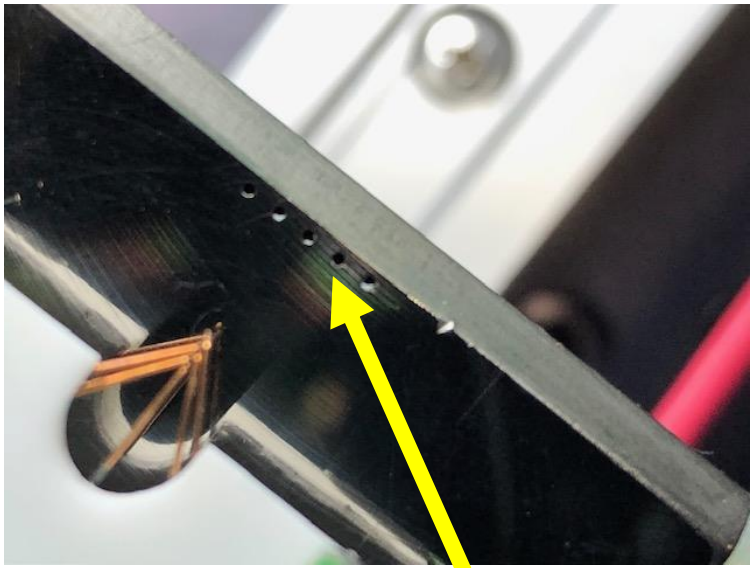




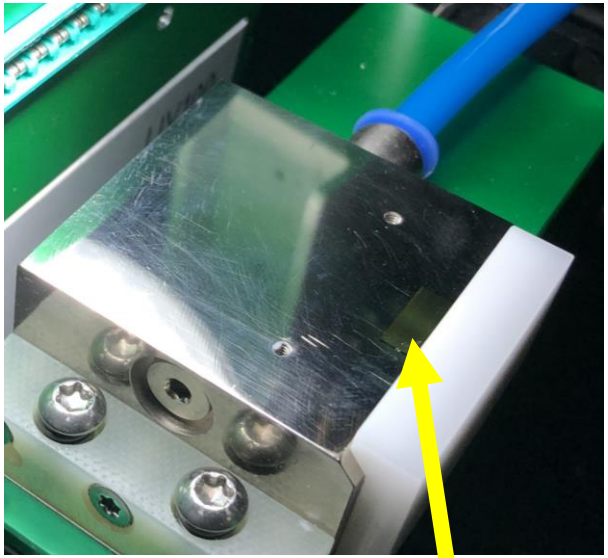
Picking up a laser bar from a tray using a vacuum pick-up tool.



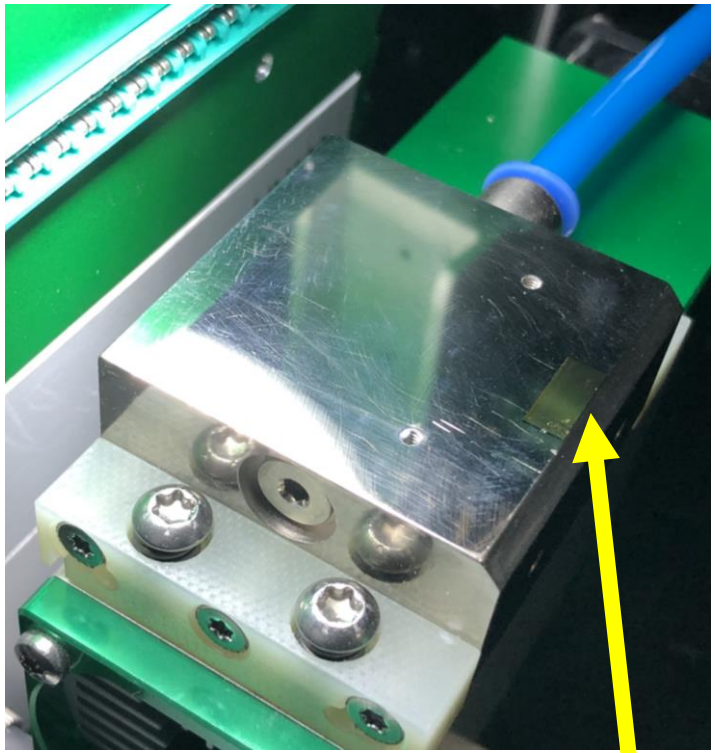
Placing the bar on the vacuum chuck. The bar is moved forwad to rest against the white teflon positioning adapter.



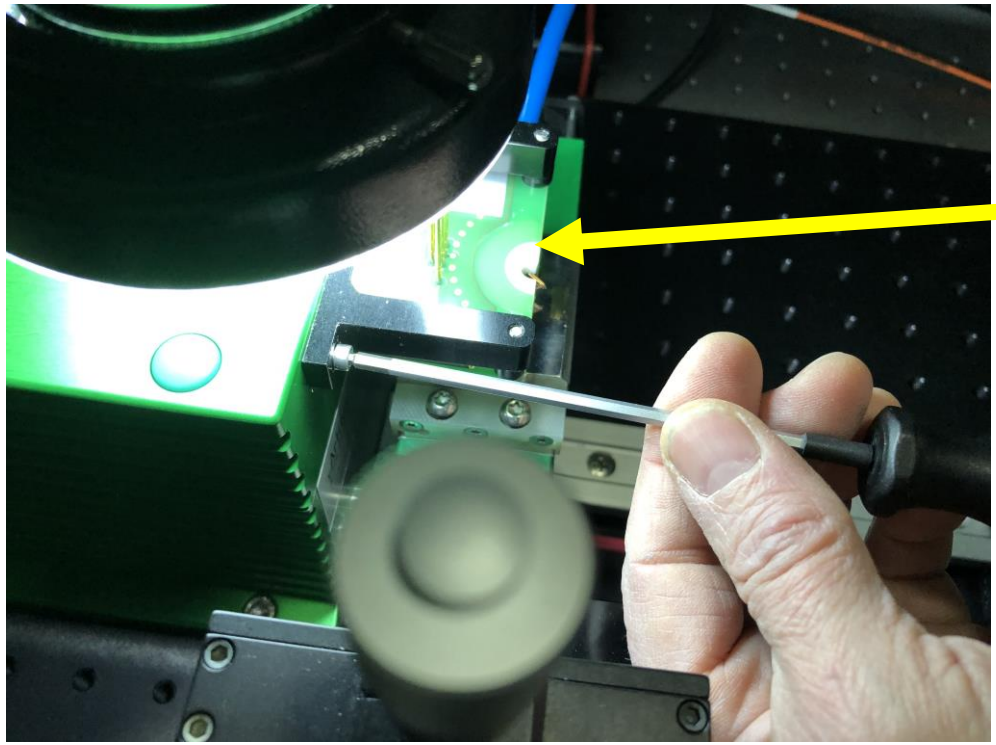
The laser bar is held in place by vacuum through the holes on the top of the vacuum chuck.



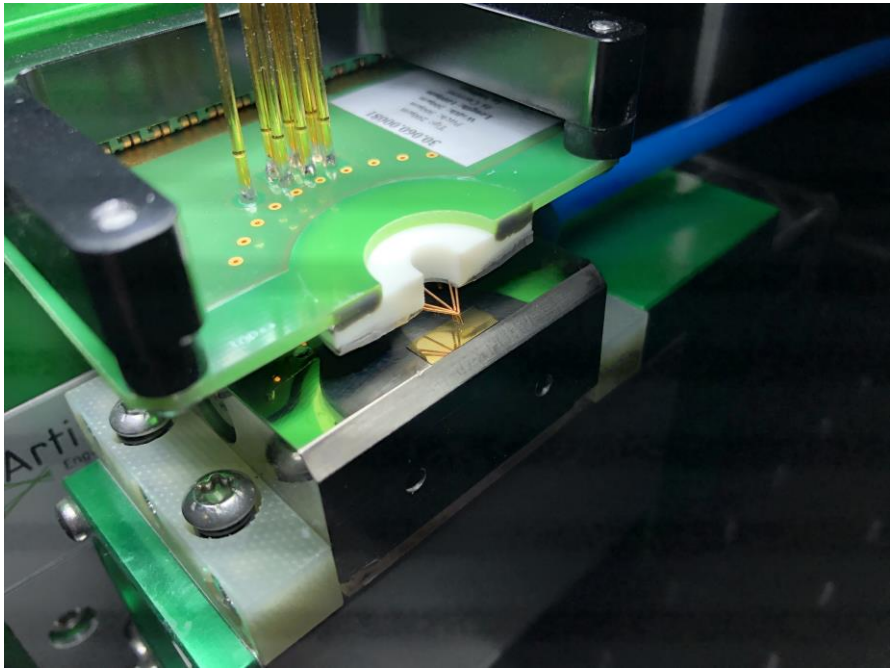
The laser bar is now on the vacuum chuck…



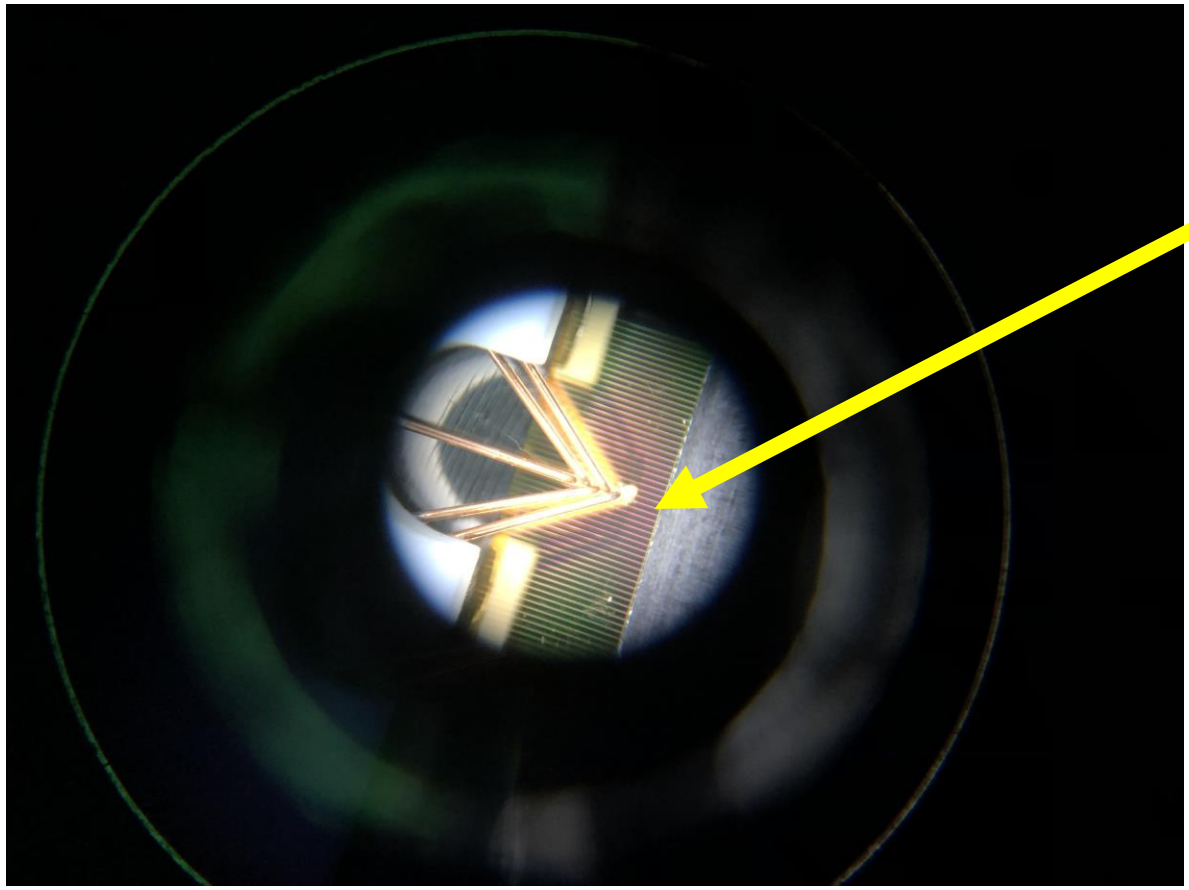
… and the white positioning adapter can be removed to allow the laser beam to exit the bar.



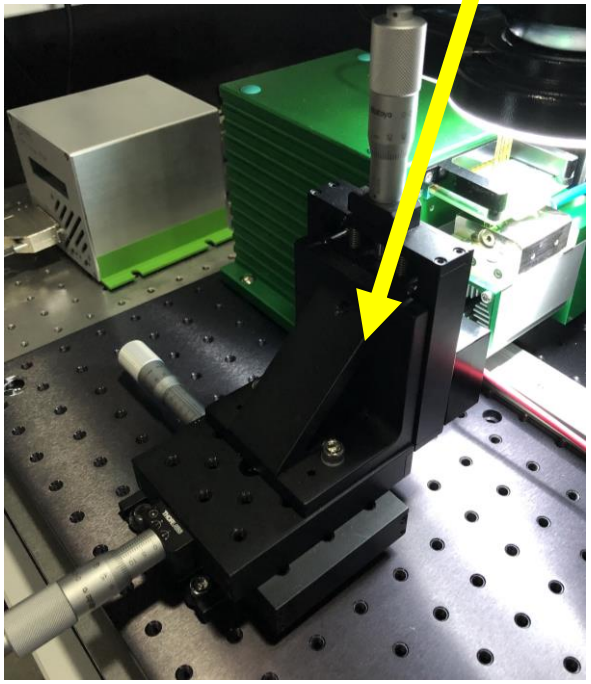
Mount the contact card on the LIV100.



Note that the contact card may remain mounted when changing laser bars. The positioning stage allows enough travel to remove and mount bars.



Look through the microscope and use the XYZ manual stage controls to contact the laser with the needle contact card.



Move the integrating sphere into place to make the measurement.