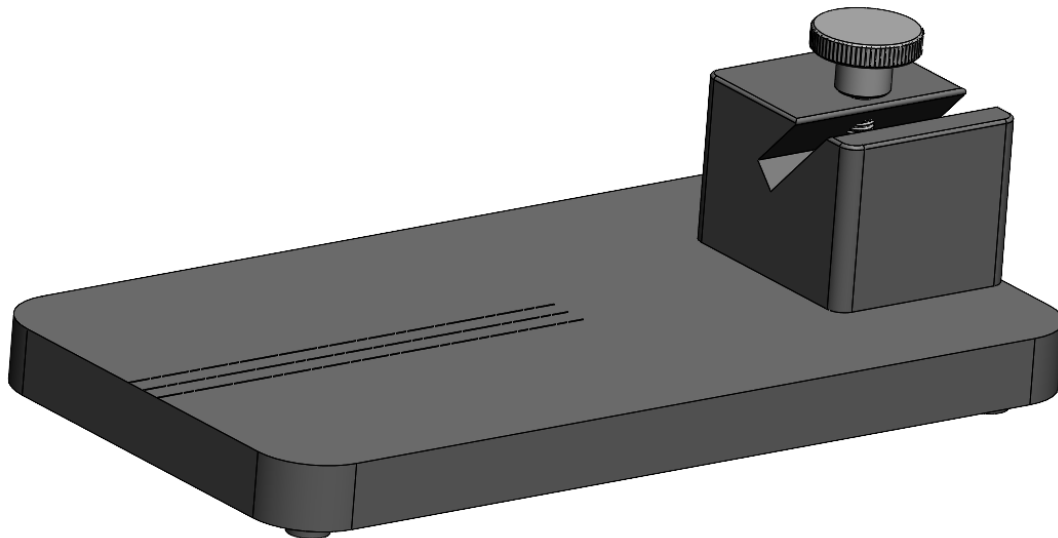


MPM-Probe Mount-NP2a Alignment Fixture

Item # 07608-3-0000

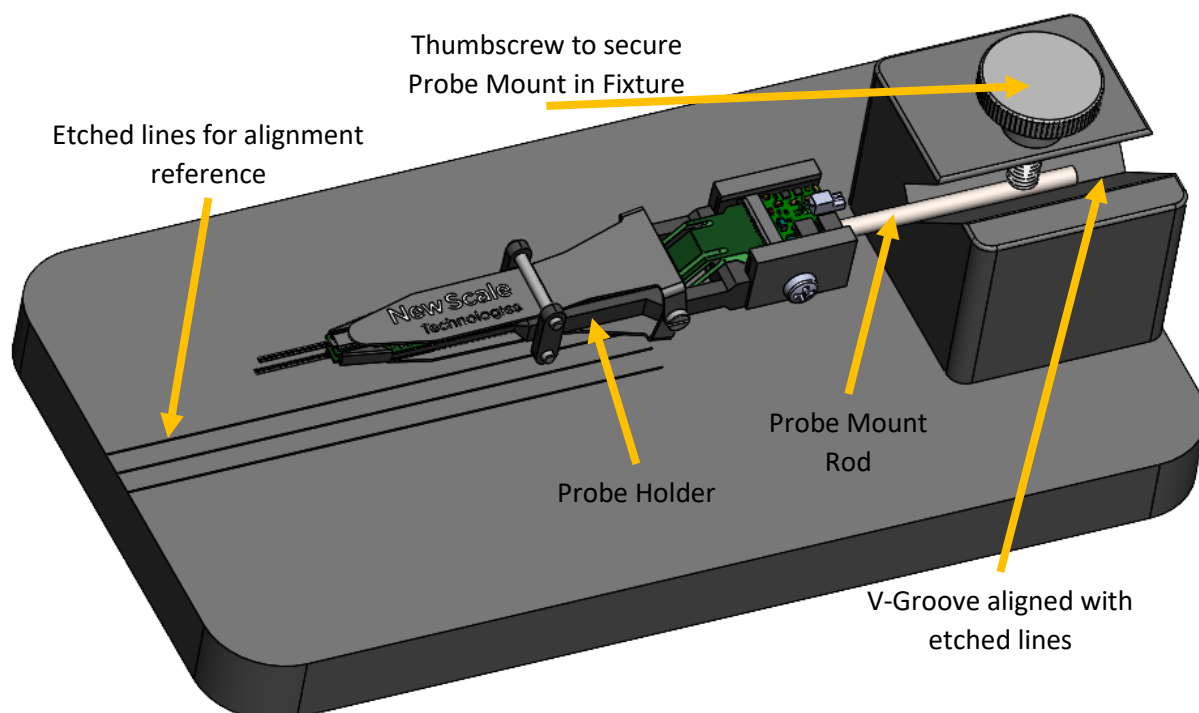
Description: A fixture to aid installing probes in a 07480-3-0000 MPM-Probe Mount-NP2a and checking the alignment of the probes' shanks to the axis of insertion.

MPM-Probe Mount-NP2a Alignment Fixture



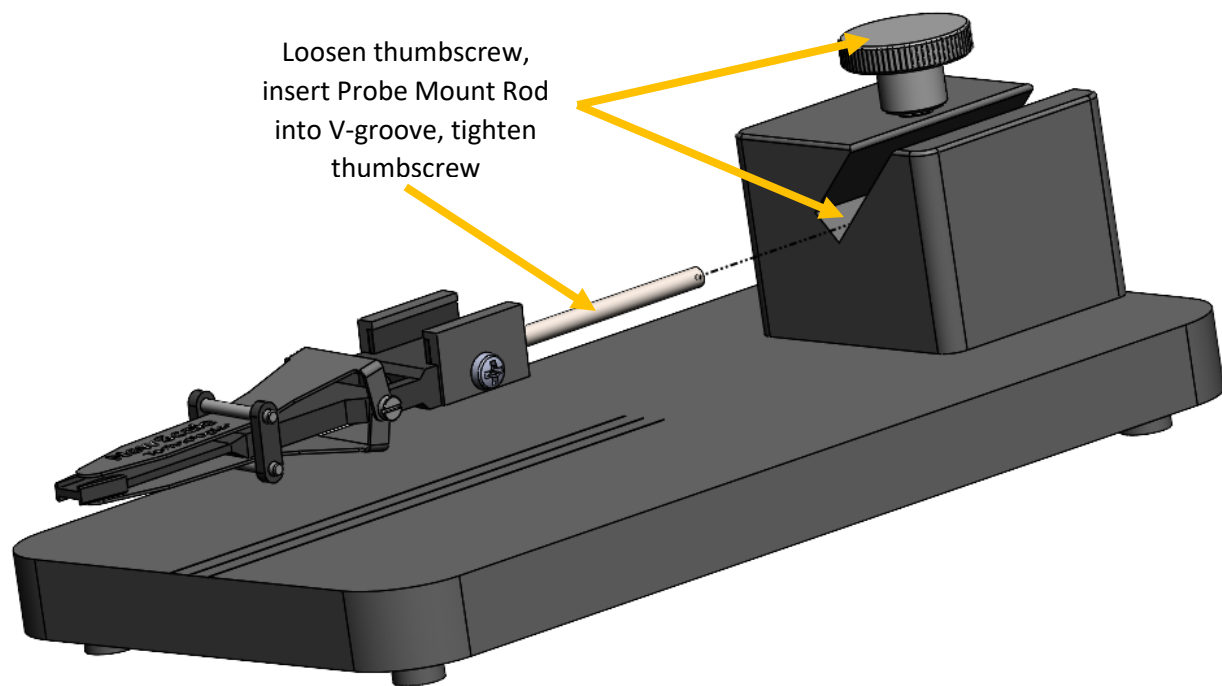
MPM-Probe Mount-NP2a Alignment Fixture

Shown holding MPM-Probe Mount-NP2a (probe mount not included)



Install MPM-Probe Mount-NP2a into Alignment Fixture

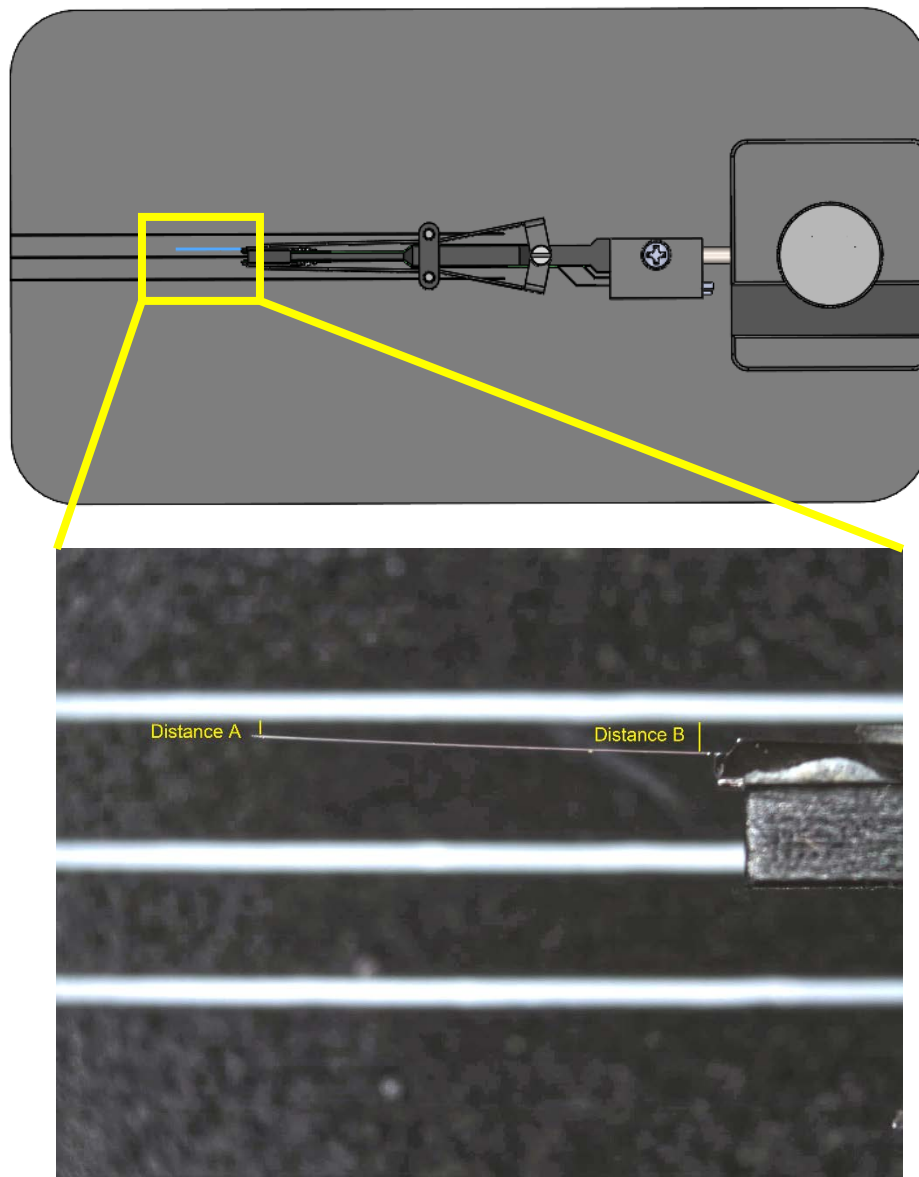
Install MPM-Probe Mount-NP2a into the Alignment Fixture by loosening the thumbscrew and inserting the Probe Mount Rod into the V-groove, then tighten the thumbscrew to secure the probe mount in place.



Once installed, the thumbscrew can be loosened and the probe mount can be rotated 360° to enable installation of up to (2) NeuroPixels 2.0 probes (alpha phase, without a dovetail cap) and to check the alignment of the probes' shanks with respect to the axis of insertion. See 07480-M-0000 MPM-Probe Mount-NP2a Manual for more information about installing up to (2) probes and a headstage into the probe mount.

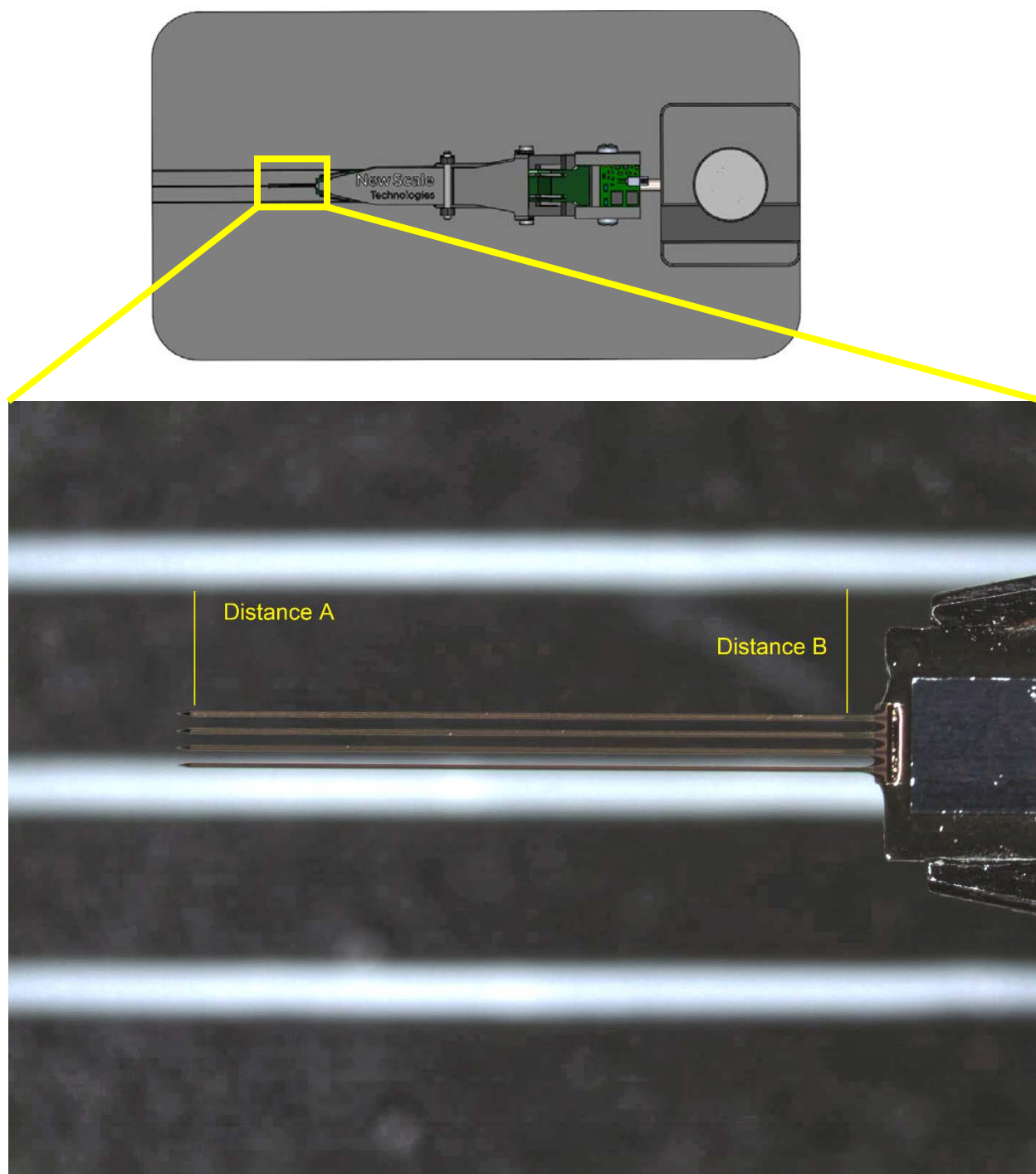
Check alignment of probe shanks

When the probes are installed in the MPM-Probe Mount-NP2a, use a microscope and compare the shanks with the etched reference lines to verify the shanks are aligned with the axis of insertion.



Align the shanks so that Distance A is about equal to Distance B, adjust as necessary. If needed, use shimming material (for example, Kapton Tape ~24 micron thick) between the probe PCB and the Probe Holder to adjust alignment.

Check alignment of probe shanks (continued)



Align the shanks so that Distance A is about equal to Distance B, adjust as necessary. If needed, apply a small amount of adhesive between the probe PCB and the Probe Holder to secure the probe in place once aligned.

For questions and support, please contact:

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Revision History

Revision	Description of changes	Release Date
A	Initial Release	Oct 29, 2021

