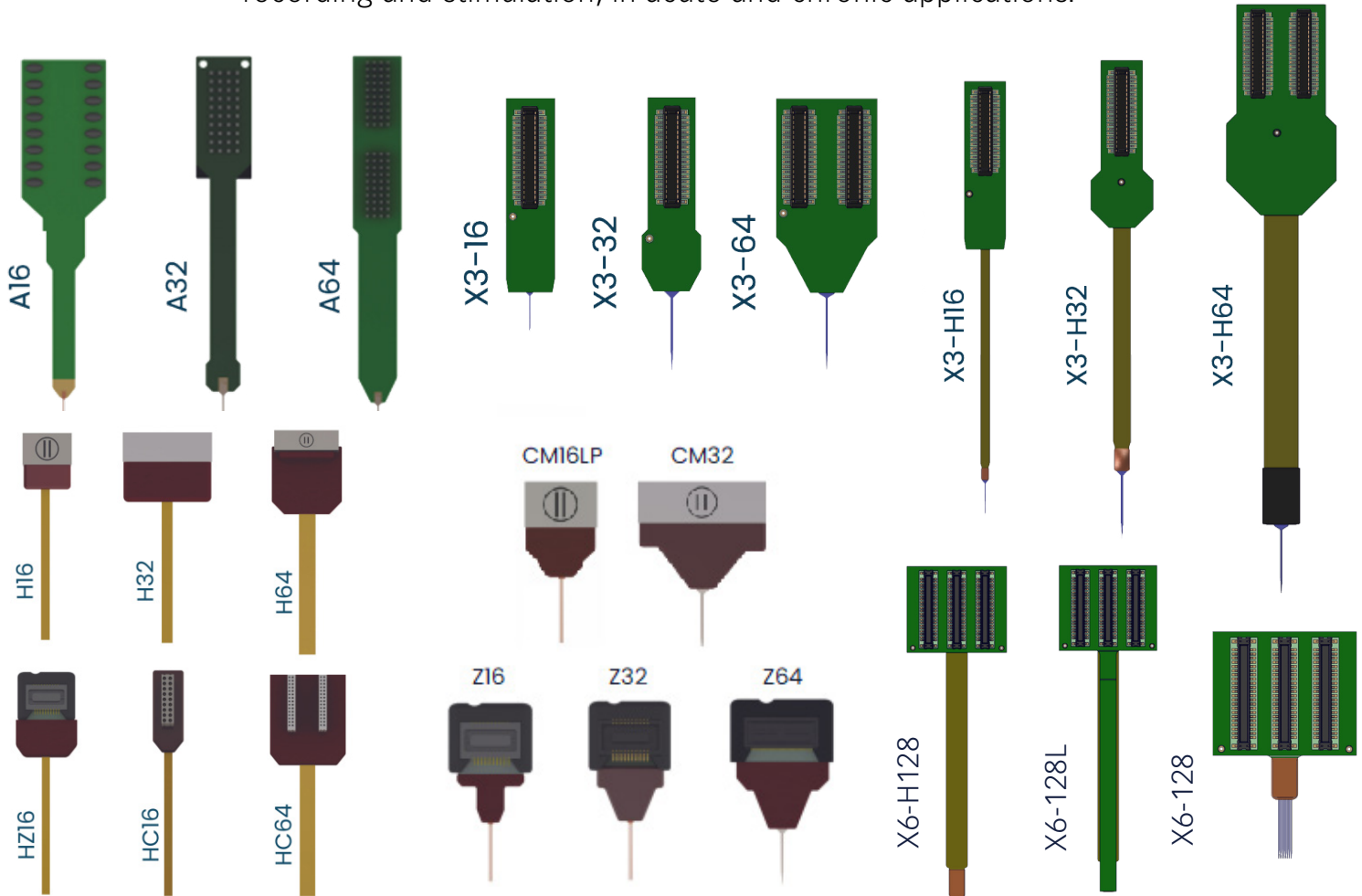




NeuroNexus Probes are fabricated using state-of-the-art silicon MEMS technology. NeuroNexus Probes are used in labs worldwide for single unit, multiple unit, and local field potential (LFP) recording and stimulation, in acute and chronic applications.

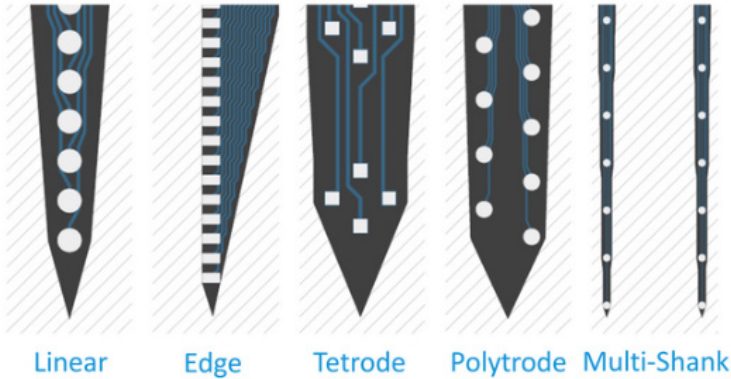


**Consistent results** – produced with reliable mechanical, and geometric characteristics. This means fewer variables for you to manage.

**A Toolbox of designs** – We offer a huge variety of electrode array designs for different applications and/or targets.

**Acute and chronic** – Probes can be used successfully in both acute and chronic applications, for recording and stimulation.

**Connect to any system** – Each microelectrode array is matched with a connector package to connect to a headstage. NeuroNexus collaborates with system manufacturers to ensure our probes connect seamlessly.



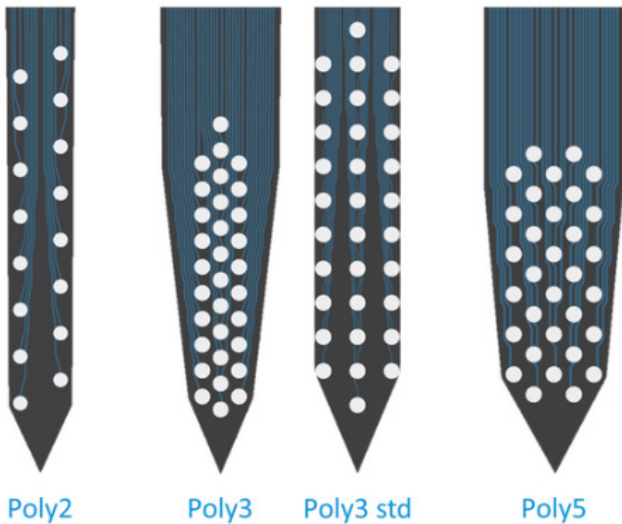
**Linear** electrode arrays are the foundation for multichannel recordings. The laminar design allows for a long area of coverage

**Edge** sites are similar to the Linear layout, but electrode sites are strategically positioned at the edge of the substrate.

**Tetrode** is an arrangement of four electrode sites placed close together, allowing for high-quality cell discrimination in recordings.

**Polytrode** electrode site layouts have a mix of linear and tetrode benefits

**Multi-shank** electrode arrays provide a two-dimensional representation of the brain.



Specifications	
Channel Count	16, 32, 64, 128, 256, 4 varies by design*
Electrode Length	2-15 mm - varies by design*
Electrode Thickness	15 µm or 50 µm varies by design*
Electrode Site Material	Standard: Iridium Custom: Platinum, Gold

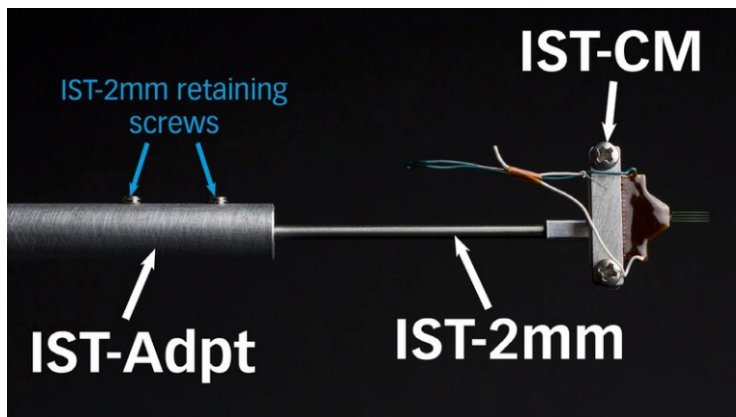
*virtually all probe specifications are customizable*

Available Packages
A16, A32, A64 CM16LP, CM32 H16_21mm, H32_21mm, H64LP_30mm Z16, Z32, Z64 HZ16, HZ32, HZ64 I128 I256 H128, IH128, H256, IH256 SEACM64 AC128, H128LP Q4, CQ4, HQ4 Activus-NeuroNexus X3-16, X3-32, X3-64 X6-128, X6-128L, X6-H128



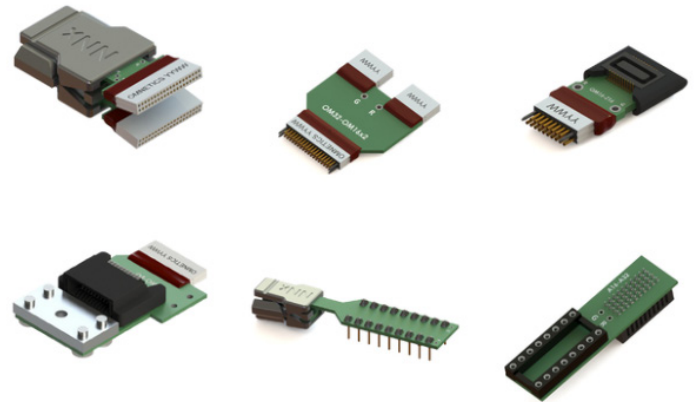
## Insertion Tools

Manual Insertion tools attach probe packages to a 2 mm rod. Use the IST-Adpt to attach the 2 mm rod to a standard Kopf 7.9 mm stereotactic arm.



## Headstage Adaptors

If you have a headstage that does not connect directly to a standard probe package, NeuroNexus offers a range of headstage adaptors.



Click or scan here to explore more probes!

