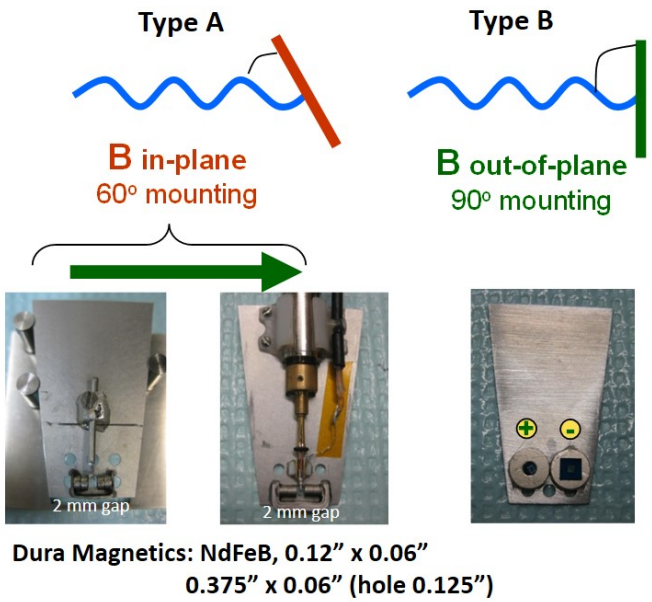
SM custom magnetic devices

Beamline: SM

Contact: Jian Wang

These custom permanent and electro-magnets provide a wide range of in-plane and out-of-plane magnetic fields, enabling magnetism investigations inside the ambient-STXM.

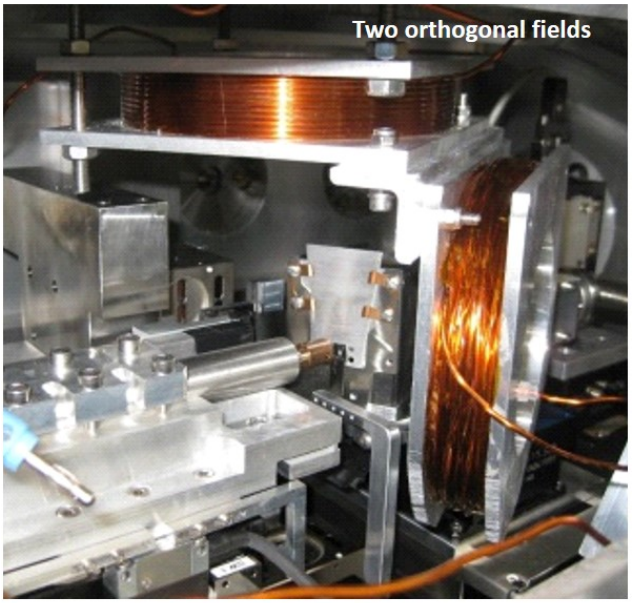
Permanent Magnets



Dura Magnetics: NdFeB, 0.12” x 0.06”
0.375” x 0.06” (hole 0.125”)

- **Type A:** 0.3 to 0.5 T in-plane magnetic field.
- **Type B:** 0.15 T out-of-plane magnetic field.

Electromagnets



- Up to 0.1 T out-of-plane magnetic field.