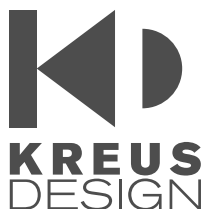
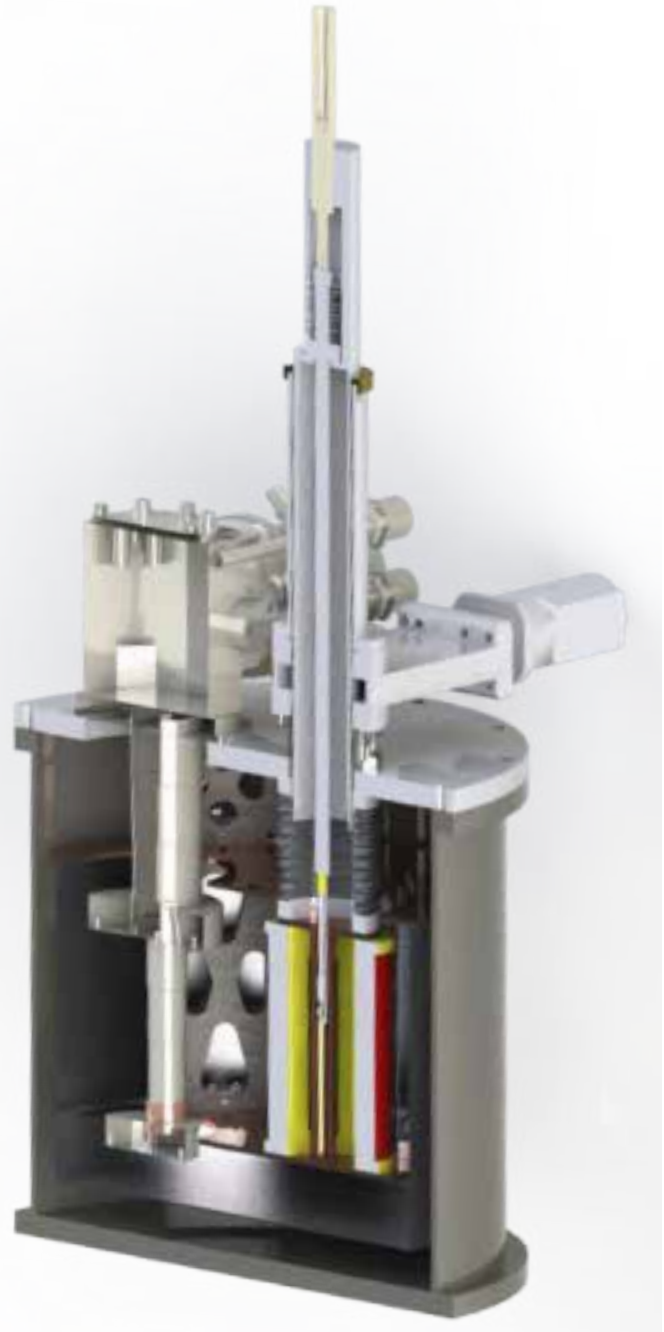


Physical Properties Measurement System

- Ultra-Low noise electrical Transport platform
V=[10nV,100V], A=[1pA, 3A} SMU
Four probe measurement (I/V, dI/dV)
Hall Effect
Transistor Characterization
- AC susceptibility (1-20KHz, 2mT Drive)
DC Vibration Sample Magnetometer
Fastest Drive > 5m/s
10^{-6} emu sensitivity
- SPM microscopy (STM, AFM)
- Up to DIA 70mm X 50mm
Experimental Volume.
- 1 Watts cooling power at 4.2K
- Standard 3T 3" bore high uniformity
superconducting magnet
- Standard and Custom wiring available
(instrumentation DC, Power DC, HF GHz,
Optical Fibers)



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SAMPLE HOLDER



A



B



C



D

A - All-in-one modular sample holder for transport and magnetic measurement.

B - Zero magnetism Delrin sample holder for high sensitivity measurement.

Low magnetism Aluminum sample holder for transport measurement with integrated 12 contact chip carrier.
Parallel

C - and Orthogonal

D - to field configuration.