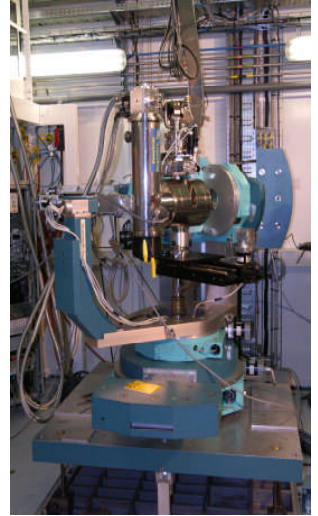
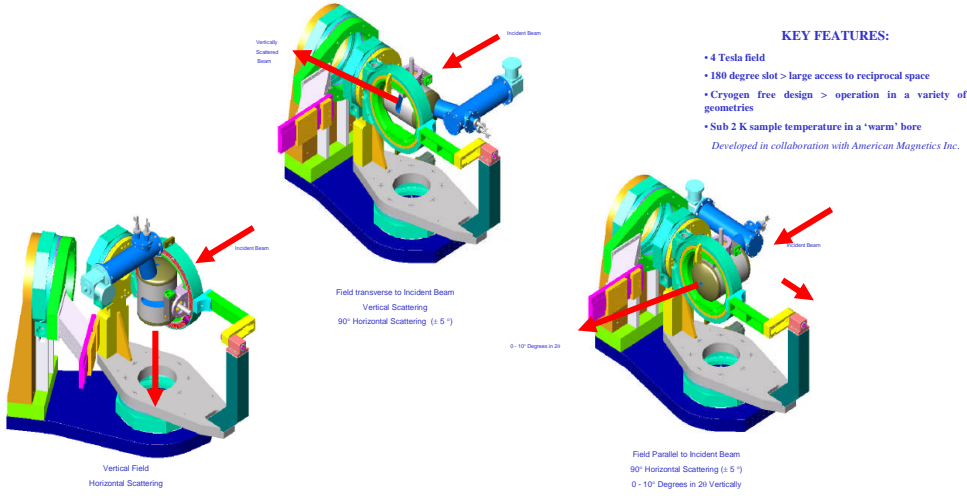


4 Tesla superconducting magnet

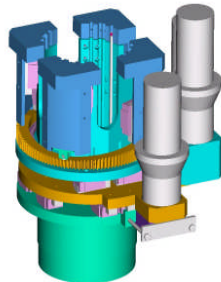


Motorised x-y-z stage for ARS Cryostats

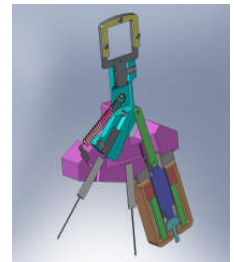


KEY FEATURES:

- Fits into a standard Huber 410 chi circle
- x - y motions, +/- 2.2 mm; z, +/- 3 mm
- All motions oscillatory - no limit switches
- Positional resolution < 1 μm
- Invaluable for 'chasing' the sample during cool-down
- > 180° of chi rotation available



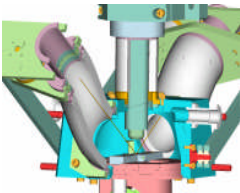
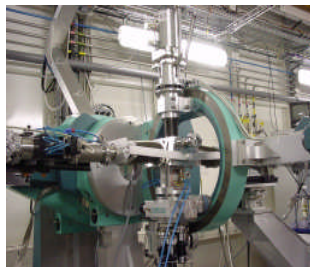
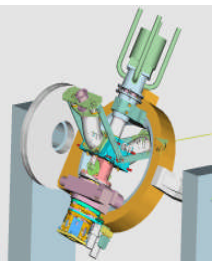
X-ray beam attenuators



KEY FEATURES:

- No mechanical or electrical feedthroughs
- Position switches on each screen
- Easy access for screen replacement
- Uncompromised vacuum performance

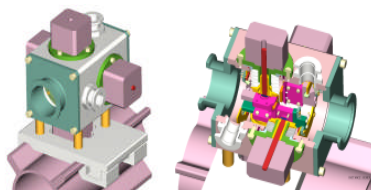
In-vacuum magnet-cryostat



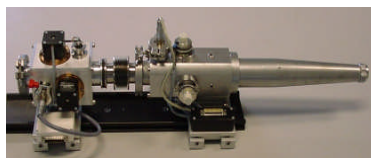
KEY FEATURES:

- Minimization of air paths - windowless
- Cryostat vibration isolated
- $\theta/2\theta < 15/30$ degrees
- Magnetic field < 0.1 Tesla
- Sample temperature > 50 K

In-vacuum slits



The maximum opening aperture is 12mm x 12 mm; jaw positioning < 2μm.



The XMaS in-vacuum slit system mounted with the "tube slits" to form a beam collimator

