

Cryogen-free Spectroscopy NMR

- ▶ Cryogen free
- ▶ Compact
- ▶ Vibration tolerant
- ▶ Robust, safe and easy to site



- ▶ Scalable NMR magnet systems starting at 200 MHz
- ▶ Compact design to allow freedom of location
- ▶ Suitable for in-line analysis of production processes
- ▶ Standard 54 mm warm bore to work with off-the-shelf probes

4.7T Superconducting Shielded Magnet System

Room temperature bore	54 mm
5 gauss stray field line	Within surface of magnet cover
LN2 refill interval	N/A
LHe hold time	N/A
Helium level sensor	N/A
Magnetic field stability	<10 Hz/hour (target)



XT Dipole Magnets

- ▶ Continuously variable field
- ▶ Cryogen-free
- ▶ Fast cooldown
- ▶ Compact
- ▶ Low stray magnetic field
- ▶ Option for any magnet mounting orientation

Applications

HTS-110's XT range is suitable for various applications, including:

- ▶ MOKE (Magneto-optic Kerr effect)
- ▶ Variable Temperature Optical Cryostat
- ▶ Hall probe Calibration
- ▶ VSM system

