Magnet Integrations

Third-Party External Magnets

AVAILABLE FEATURES:
- High Field Strengths up to 7T with Non-Magnetic System Layouts
- Low Working Distance
- Sample Positioning
- Electrical Sample Mounts
- Large Sample Sizes

Most chambers can be configured for use with external high field superconducting magnets & electromagnets. Specially designed castles extend the housing, allowing external magnet poles to be integrated close to the sample.

These integrations can accommodate large sample sizes and low working distance. The magnet designs provide high field uniformity across the sample.

EXAMPLE DESIGNS

~2.00 Tesla
14mm Pole Tip Spacing

~1.31 Tesla
25.4mm Pole Tip Spacing

~1.10 Tesla
32mm Pole Tip Spacing

All shown with GMW 5403 Dipole Electromagnet
Permanent Magnets

AVAILABLE FEATURES:
- Fields Strengths up to 500 mT
- Cryo-Optic Objective
- Low Working Distance
- Sample Positioning
- Electrical Sample Mounts
- Large Sample Sizes

For certain applications, permanent magnets can be used to achieve the necessary field requirements. These offer a cost-effective solution and can be integrated into most sample chamber setups.

These magnets provide consistent fields at various field strengths. Adjustable & custom mounting options are available.

EXAMPLE DESIGNS

Cryostation s200 - CO
Horizontal Cryo-Optic