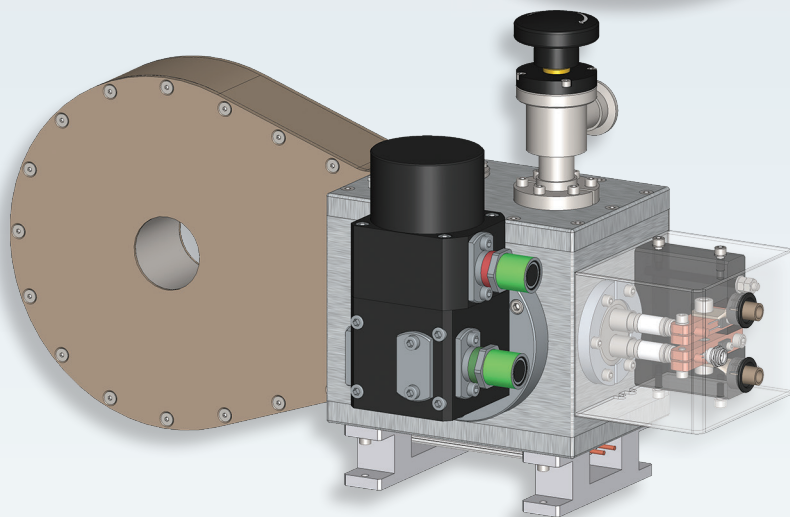
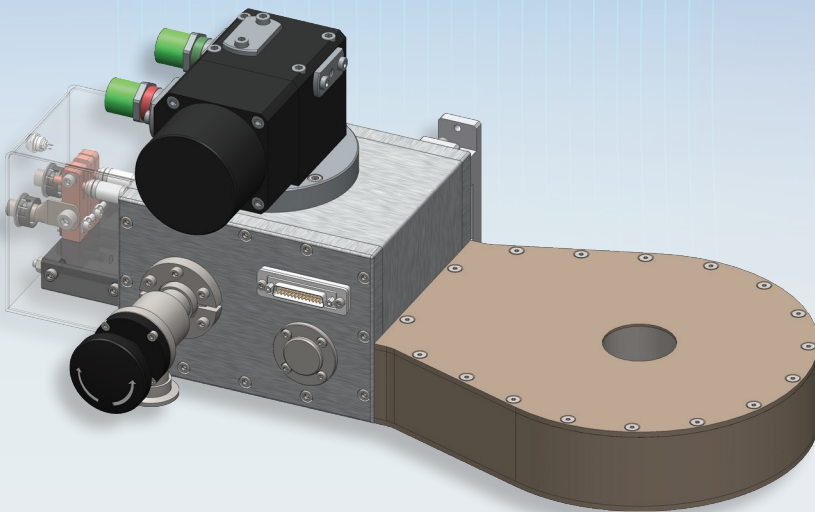


- Low profile design
- Cryogen-free
- Fast cool-down
- Compact
- Low mass
- Any orientation
- <30 s Ramp time
- 1, 2 or 3 tesla as standard



## TYPICAL APPLICATIONS

HTS-110's LM range is suitable for numerous applications, including:

- Magneto-optic effect measurements
- Magnetic domain imaging
- Magnetic scattering
- Magnetic circular/linear dichroism
- Hysteresis loop plotting
- Scanning probe microscopy (SPM)
- Electron microscopy
- Hall effect measurements

## PERFORMANCE AND VERSATILITY

- Rapid ramping (zero to full field in <30 seconds)
- Fast cool-down
- Any orientation
- Designed to accept third-party variable temperature sample probe

## EASY TO USE

- Cryogen-free operation; no helium or nitrogen handling, storage or level monitoring
- No specialist training required to operate
- Single phase electrical input

## EASY TO SITE

- Very compact low-profile magnet
- Low fringe field without active shielding
- Magnet power supply and compressor can be sited remotely up to 10 m from magnet

## OPTIONAL POLES

- Customisable range of user-changeable poles for specialist applications, with the option of adjustable pole gaps

## STANDARD SYSTEM INCLUDES

- Magnet sub-system with integrated cold-head
- Bipolar four-quadrant power supply
- Fast up/down field ramp
- Active magnet protection electronics linked to integrated temperature sensors and voltage taps
- 19" rack-mountable compressor and power supply
- 1 year warranty

## OPTIONS:

- Closed loop field control
- Unipolar supplies available in standard and high stability configurations
- Low-vibration zero-maintenance pulse-tube cold head options
- Extended warranty, service plan
- 19" rack
- User changeable poles

## SPECIFICATIONS:

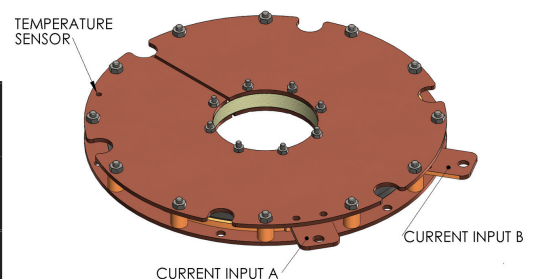
Model	Bore Size (mm)	Peak Field (T)	Height (mm)	Cryostat OD (mm)	Uniformity, 5mm DSV (rms) (%)
LM-40-1T	40	1.4	45	254	0.4
LM-40-2T	40	2	55	254	0.3
LM-40-3T	40	3	100	254	0.2
LM-53-1T	53	1.1	45	254	0.3
LM-53-2T	53	2	65	254	0.2
LM-53-3T	53	3	120	254	0.15
LM-80-1T	80	1	55	254	0.2
LM-80-2T	80	2	100	254	0.15
LM-80-3T	80	3	160	254	0.05

Overall dimensions ( L x W x H ): 609mm x 254mm x 249mm

## BARE BSCCO COIL ASSEMBLIES

For OEM and Customer Integration Applications

<b>Coil ID</b>	60, 73 or 100mm	<b>No. Turns</b>	440, 390 or 290
<b>Coil OD</b>	180mm	<b>Bo (77k) @ 40A</b>	0.2, 0.17 or 0.11T
<b>Assembly Height</b>	20mm	<b>Bo (30k) @ 200A</b>	1, 0.8, or 0.5T



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SCOTT™

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