

New Options for Solid-State NMR

BioSpin recently established a worldwide supply agreement with PhoenixNMR to offer solid-state NMR probes.

Under our new partnership with Phoenix, which specializes in high performance probes for solids, Bruker will sell the probes and PhoenixNMR will provide installation and warranty service.

The probes, which will be available under the agreement to purchasers of new NMR systems, are fully compatible with standard bore magnets and Bruker spectrometers with MAS3 controllers and offer a number of unique features.

Phoenix probes use a modular architecture that includes a probe base and interchangeable probe heads with proton frequencies from 400 to 900 MHz. The user is thus able to acquire other probe heads with spinning system sizes from 1.2mm/60kHz to 6mm/9kHz in addition to the one originally included with the probe to support a wide range of experimental needs, without having to purchase a new probe. Other features, including a deuterium lock channel, low gamma tuning down to 15MHz and simultaneous H&F tuning are also available, either with the purchase of the probe or as factory modifications. Phoenix probes offer a VT range of -125°C to $+150^{\circ}\text{C}$ which can be extended with Vespel or PBI spinning modules.

PhoenixNMR solid state NMR probes can now be purchased from Bruker BioSpin for new system sales

Phoenix HXY Probe Features

- Fully compatible with Bruker spectrometers and standard bore magnets
- Interchangeable probe heads
- Spinning systems from 1.2mm/60kHz to 6mm/9kHz and static
- 400-900MHz ^1H frequencies
- -125°C to $+150^{\circ}\text{C}$ VT range
- X/Y channel tuning from 15N to 31 P

Phoenix HXY Probe Options

- Simultaneous single port H&F tuning
- Low gamma tuning down to 15MHz
- Deuterium lock channel on 1.6/3.2mm systems
- Vespel/PBI modules for extended VT range to 300C

Please contact your Bruker sales representative for additional information and pricing



1.2 mm (top) and 4mm probe (bottom) probe heads
Interchange of probe heads takes less than 10 minutes.

