The MPS-1D systems are entry-level probe stations capable of DC or RF testing. The system achieves an arbitrarily oriented in-plane magnetic field by rotating the C-magnet around the sample and probes. MicroXact’s unique design enables stable, accurate and fast testing of spintronic devices, nanoscale electronics and many other materials and devices where magnetic fields are required for test and measurement.

**Features**

- Arbitrary orientation of in-plane magnetic field with respect to sample orientation.
- Up to 0.6T field strength available.
- Up to 50mm diameter samples.
- Wide range of microscopes available
- Capable of DC or RF probing
- Optional Hall sensor for active magnetic field feedback control.
- 1% field uniformity over the sample area
- Large platen for holding up to 10 vacuum base micropositioners
- Optional thermal testing capability
- Optional environmental or dark shield enclosure
- Highly customizable per customer needs
Specifications

**Chuck**
- Sample size
- Number of vacuum zones

**Magnetic Field**
- Field Orientation: Arbitrary in-plane
- Maximum: 3kOe (0.3T) or 6kOe (0.6T)
- Orientation Accuracy: +/- 1.0°
- Uniformity across 20mm diameter area: +/- 2%
- Stability: Better than 1%

**Microscope**
- Trinocular or digital microscopes available

**Frequency Range**
- DC to 67GHz (Higher frequency measurements are available)

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Magnetic field uniformity in the sample position

System control software

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MPS-1D

[Details]

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