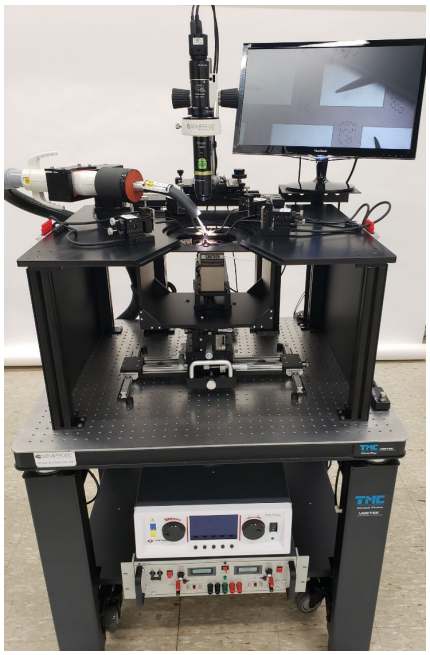
Success Story – Magnetic Stimulation – Europe 0319

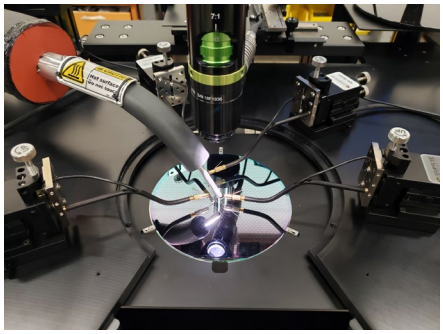
Customer Requirements:



- The customer wanted to use a manual probe system to test 150 mm MRAM wafers using a magnet placed underneath the device that could be moved in X, Y, Z and theta. The device would be contacted from the top with up to five (5) manual three-axis manipulators with coaxial probe arms and DC probes while being stimulated by the magnet located beneath the device. The customer needed the ability to test the devices from the top at temperature ranging from ambient to 225 C.

SemiProbe Solution:

PS4L M-6 MSS - 150 mm manual probe system integrated with a GMW 5201 magnet and a thermal wand temperature system



- M-6 – 150 mm manual probe system
  - 150 mm of X,Y, Z and theta stage
  - Rapid Align Stage provides both coarse and fine stage movement
  - Vibration Isolation Table
- 150 mm wafer carrier that supports 150 mm wafer with and without glass support.
- Compound microscope bridge with 100 mm x 100 mm of X-Y travel and manual Z lift
- Compound Optics with CCTV System and monitor stand
- Five (5) manual three axis manipulators with coaxial probe arms, cables, DC probes and vacuum bases
- GMW 5201 magnet, water cooling source, regulator and power supply
- Thermal Wand System that allows the wafers to be heated from ambient to 225 C.
- Air compressor and Vacuum Pump

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