



**Providing Innovative Solutions For The Magnetic Recording Industry**

#### **ISI ANNOUNCES RELEASE OF RIA-2008, THE WORLD'S FIRST STATIC WRITER ANALYZER**

SANTA CLARA, CA – July 24, 2008: Integral Solutions International, ISI, the world's leading manufacturer of Quasi-Static testers for the data storage industry, announced today the release of RIA-2008 Static Writer Analyzer.

The RIA-2008 is the world's first Static Writer Analyzer that characterizes the magnetic performance of the head's inductive writer by analyzing relative inductance while applying combination of various I-Bias and multi-directional magnetic fields. The measured magnetic performance of the writer shows strong correlation to its performance in the drive.

The system utilizes the Quad-Pole magnet configuration on either the BlazerX6-B Bar Tester or the QST-2002 HGA Tester, supporting multi-directional field vectors as incorporated in the extensive suite of RIA-2008 tests. These tests include:

- Inductance saturation vs. write current and external field
- Coil-To-Yoke coupling efficiency
- Yoke anisotropy
- Determination of yoke defects
- Selecting hysteretic/domain write heads
- Main Pole Defect detection

This list of advanced Writer analysis, in particular Coil-To-Yoke coupling, has demonstrated correlation with Overwrite results from dynamic testing. As dynamic testing becomes less cost-effective the demand for a low cost static solution has become apparent. Further, due to the static nature of this new test system early analysis of writer performance in the production of HDD heads has been enabled, making the RIA-2008 an extremely valuable tool for both Bar and HGA applications.

#### **About ISI**

Integral Solutions International (ISI) is a privately held California based US Corporation, established in September 1995. ISI provides worldwide customer support from the United States, Japan, Korea, Singapore, Malaysia, Thailand, China, and Hong-Kong.

Send mail to [webmaster@us-isi.com](mailto:webmaster@us-isi.com) with questions or comments about this web site.

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