# ibg Introduces New Generation of NDT Crack and Structure Test Instruments

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Farmington Hills, MI (PRWEB) April 14, 2005 -- A new standard for eddy current testing of automotive components for surface cracks and structure (correct heat treat, case depth, alloy) is being introduced by ibg NDT Systems Corporation. Named eddyvisor Â® , the new eddy current instrument line is aimed at both production and laboratory applications, especially for automotive-related components. The outstanding features of these new instruments involve a capability for complete test result documentation, easy operation, testing speed and reliabilityÂ all common qualities of ibg instruments and turnkey test systems.

Two models of the eddyvisor Â® will be available. A switch panel version, called the eddyvisor Â® HMI (for Human Machine Interface), is an user-friendly unit that may be installed near the operator for instant visibility during automated production.

The eddyvisor Â® MS (Measuring unit, Structure test) actual test instrument may be located distant from the readout mechanism. The two are linked by cable, with the eddyvisor Â® MS installed in the switch cabinet or near the test coils. The latter is equipped with up to 32 channels for testing.

A desktop version, called the eddyvisor Â® DS (D=Desktop, S= Structure testing) is more suited to a variety of tasks in a laboratory to audit testing, or for small-to-medium-volume production testing. This instrument is equipped with up to 16 test channels.

Converting the eddyvisor Â® DS from one test of a part type to another takes only seconds when tolerance fields have been stored.

These new test instruments provide test times in milliseconds and they include USB ports and an Ethernet port. Likely applications include using four test coils in Quattrosorters configuration tested up to 13,000 parts per hour; testing camshaft journals at up to 32 locations; and monitoring hardening processes at several zones on drive shafts.

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