

MAGNETIC ANALYSIS CORP. TO EXHIBIT AT MDM SHOW

MAC (Magnetic Analysis Corp.) will be featuring its full line of eddy current and ultrasonic nondestructive test instruments and systems for inspecting critical metal wire and tube, at its booth #603. In business for 90 years, MAC has in depth experience in helping metal producers select the best test technology to meet their specific standards.

TESTING NITINOL WIRE

For high performance wire such as Nitinol, Magnetic Analysis Corp.'s MultiMac®, MultiMac® SM and Minimac® eddy current testers detect cracks and inclusions which can form from the melting process during production. Nitinol, a SMA (shape memory alloy) made of approximately equal parts nickel and titanium, plays a key role in many critical surgical applications such as insertion of peripheral stents and heart valves. Using a MultiMac® SM eddy current instrument with its phase sector output gate and MAC's Wiretester test coils for small diameter applications, cracks and inclusions can be accurately detected. Separate counts for both conditions can be provided, while rejecting only the wire with cracks. The inspection can take place at high speeds during production, and MultiMac® and MultiMac® SM provide complete reporting and networking capabilities.

GRADING SOFTWARE

MAC can supply test coils for material as small as .013" ID. For customer specific automatic grading and data for each coil of wire produced, MAC's grading software option provides coil ID, grade based on the number and type of defects specified by the customer, as well as date, time, coil length and production line.

ULTRASONIC INSPECTION SYSTEMS

MAC's Echomac® Ultrasonic test systems such as the newly released top of the line Echomac® 25mm ultrasonic rotary, provide accurate inspection of critical bar and tube used in medical applications, including stainless and titanium bars used in hip and knee components and dental implants. High performance thin wall product ranging from 5 to 25mm diameter with wall thickness as thin as 0.3mm can also be tested. The Echomac® UT rotary can be used with MAC's Echomac® FD 6/6A UT instruments to meet precise standards.

BOOTH WILL DISPLAY THE MINIMAC® 55 EDDY CURRENT INSTRUMENT

MAC's Minimac® 55 eddy current instrument will be on display. Designed for high performance yet affordable and compact, this tester is used to inspect a range of tubing, including copper, stainless steel, cold drawn welded, and seamless. Operating at speeds over 4000 fpm, it detects short surface and some subsurface defects, including laps, slivers, cracks and weld line faults. Sensitivity, phase and filter are easily set on-screen while viewing a full color polar and linear display of real time, true wave form signals. Convenient review of test results on-site or remotely is included.