



Magnesium Elektron UK Launches new Ultrasonic Immersion Testing Service

Manchester, UK – 22nd September 2009: Magnesium Elektron UK announces its new service under the brand of Elektron® *Ultrasonix*. Elektron® *Ultrasonix* proudly announces the operational readiness of its new, fully automated, custom built, ultrasonic immersion detector.

Elektron® *Ultrasonix* have installed a large, automated ultrasonic immersion scanner which will be offered for services to industry. Automatic ultrasonic flaw detection within an immersion tank removes the inherent 'operator error' of other ultrasonic systems, enabling highly repeatable, consistent checking of material cleanliness.

The Elektron® *Ultrasonix* system has been custom built to allow both round billet and flat plate or extrusions to be checked on the same machine. Initially metallic components will be served, with the scanning envelope allowing parts up to 3000mm x 1000mm x 450mm to be checked. The system can automatically follow the part profile, allowing non-straight parts to be accommodated. However a relatively uniform edge or plane is required.

The system is supported by ultra modern K-scan data acquisition and analysis software with full colour reporting in both B-SCAN and 3D C-SCAN modes. Defects can be individually analysed with multi-plane probes producing detailed 3D views through the part.

Elektron® *Ultrasonix* operators are qualified to NAS 410 level 2 and can ultrasonically check your products to the Aerospace Material Specification AMS 2154. Reports can be tailored to your requirements.

Elektron® *Ultrasonix* recognises that confirmation of the internal cleanliness of your products is of the utmost importance to you, so we offer a rapid response to your enquiry with a low leadtime coupled to a fast turnaround of your work.

The Magnesium Elektron Division is a world leader in the production of high performance magnesium alloys and products. Magnesium Elektron UK began production of magnesium in 1936 at its Manchester, UK plant and subsequently developed a wide range of magnesium alloy systems and products. The company is part of the Luxfer Group, an international manufacturer of high performance engineering materials including magnesium alloys, zirconium products and high pressure lightweight gas cylinders.

Please contact Nick Jeal on 0161 911 1055 for further information.



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