

LEAsys, a turnkey scanner solution

For Non-Destructive-Testing applications, XARION has developed Laser-Excited Acoustics (LEA), a fully automated technology for dry ultrasonic testing. It combines fully fiber-coupled laser excitation of ultrasound with the patented technology of the novel, laser-based ultrasound detector, which enables testing of composite parts in various forms, such as honeycombs, monolithic structures, etc. with high resolution. It matches liquid-coupled ultrasound in resolution and sensitivity without needing any liquid, enabling reliable detection of delamination and internal defects. The inspection method can easily be integrated into robotic or scanner systems and is also available as LEAsys, a turnkey solution.