

Point focused transducers for smaller beam profile at focal length, providing greater spatial resolution and higher energy intensity. Transducer enclosure identical to circular non-contact series of corresponding active diameter.

Email: info@ultrangroup Web: INTRODUCTION Non-Contact Ultrasound (NCU) is highly desirable for testing and analyzing early stage materials formation (green ceramics, powder metals, elastomers, composite pre-pregs, etc.), and for contact and liquid-sensitive materials (porous materials, food, pharmaceutical and ...

HIGH ACCURACY MEASUREMENT OF PREPREG LEVEL OF IMPREGNATION USING NON-CONTACT ULTRASOUND Anuj Bhardwaj, Kashyap Patel, Mahesh C. Bhardwaj¹ Konstantine A. Fetfatsidis² ¹The Ultran Group, 2380 Commercial Blvd, State College, PA 16801 ²Aurora Flight Sciences, 4 Cambridge Center, Suite 11, Cambridge MA 02142 ABSTRACT

Email: info@ultrangroup Ultran's non-contact ultrasound technology is shown to detect variations in each of the above conditions. Focused transducers demonstrate the capability to measure localized variations in high resolution. High frequency analysis depicts minute property variations. ¶ ¶ ¶ Ultran has performed extensive analysis on

Contact us at info@ultrangroup for pricing information. Function Transducer Modes Frequency Speed Sampling Rate Measurements Material Characteristics Description through Transmission, Pitch-catch, Pulse-Echo 20 kHz to 6.25 MHz Upto I ...

Ultran is the inventor of modern non-contact ultrasound and a leading innovator in the development of transducers, systems and services for advanced materials testing and characterization. For 25 years we have been building unique ultrasonic devices targeted towards cost-effective production, saving our customers time and energy. We translate our advanced ...

EVOLUTION OF PIEZOELECTRIC TRANSDUCERS TO FULL SCALE NON-CONTACT ULTRASONIC ANALYSIS MODE M. C. Bhardwaj, Ultran Group., Boalsburg, PA USA Abstract: While non-contact - air/gas coupled - uses of sound waves are buried in the antiquities of our civilization, in modern times, presumably one of the first applications is related to

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