



Przedsiębiorstwo Badawczo-Produkcyjne

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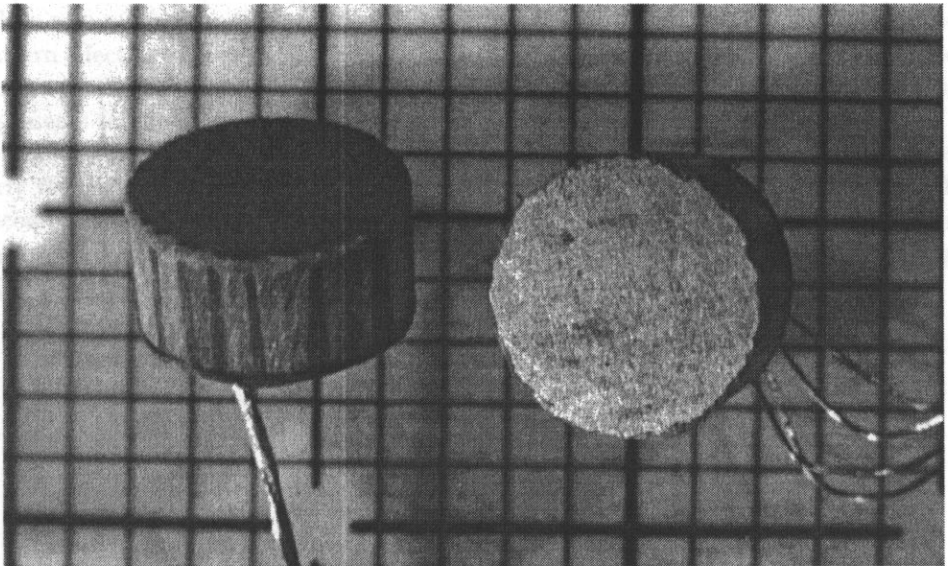
We offer a new type of

Ultrasonic Transducers with a very short impulse response

for nondestructive testing and all other purposes, where broadband transfer function, high amplitude of the pulse, high sensitivity and low cost are required

The idea of this type of transducer (a patent application has been submitted) was born as a spin-off from our biometric project (see our paper in this issue). The new transducers offer:

- **broadband transfer function** (4–25 MHz);
- **very short pulse response** (up to 20 ns);
- **high signal amplitude and high sensitivity;**
- **thickness** of not more than 2 mm;
- operation at **high temperatures;**
- **very low cost.**



Apart from our patented transducers, we are able to produce piezo composite transducers up to 3 MHz main frequency.

We also offer all electronic devices that are necessary to produce, receive and analyse ultrasonic signals:

- **pulse generator** with high amplitude (600 V), short pulse (20 ns) and low internal impedance (~ 1 Ohm) with an integrated send-receive switch;
- **many types of amplifiers** (2–60 MHz) with low noise ($5 \mu\text{V}$);
- **oscilloscope card** (ISA) with 80 MSPS and many features that are important for ultrasonic measurements (large post-trigger time, sophisticated synchronisation possibilities for automatic measurement).

We are able to offer very competitive prices. Our team of researchers has many years of experience in developing acoustic devices, electronics and software. We can provide the leading edge ultrasonic technology and “know-how”. If you are looking for someone who can help you find a solution – do not hesitate – contact us:

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