

Ultrasonic Solutions

EFFICIENT TESTING OF

Slide Plates in Ceramic Production

MADE IN GERMANY

Non-Destructive Testing

Efficient Testing of Slide Plates in Ceramic Production – Contactless, Fast & Reliable!

In high-temperature ceramic production, slide plates are critical to ensuring smooth and efficient kiln operation. But how can you be sure these plates are still fit for the next firing cycle?

With SONOTEC's air-coupled ultrasonic testing, you gain reliable insight into the usability of your slide plates before they enter the kiln. Our innovative testing devices enable rapid and non-destructive evaluation of material condition – even directly in the hot state!

Maximum Efficiency – Without Removal or Downtime

Slide plates in kiln operations are exposed to extreme conditions: high temperatures combined with intense mechanical stress. Repeated use often leads to structural damage – which is frequently invisible from the outside.

If a plate fails during kiln operation, it often causes neighboring plates to shift. The result: labor-intensive clearing work, significant time losses, and unplanned downtime that can seriously disrupt production.

With our air-coupled ultrasonic solutions, you can detect such hidden defects in time – quickly, reliably, and with minimal effort.

Two Solutions – One Goal: Maximum Process Reliability

- **SONO-PR 10:** Our compact pulser-receiver enables simple spot checks directly on-site – completely without the need for a PC or software. You get a clear, uncompromising signal for assessing the quality of your slide plates.
- **SONOAIR:** Our area inspection system for larger-scale demands. Ideal for the systematic evaluation of entire batches – efficient and highly informative.

Your Benefits at a Glance

- ✓ Immediate assessment of slide plate quality before firing
- ✓ No cooling required – testing possible directly in the hot state
- ✓ Fast & easy application with our state-of-the-art testing equipment
- ✓ Reliable detection of defects such as cracks, air inclusions, or material fatigue
- ✓ Prevent costly clearing operations through proactive quality assurance



More Information
on SONO-PR 10



More Information
on SONOAIR

Choose safety and efficiency – with air-coupled ultrasonic solutions from SONOTEC for your ceramic production.

Contact us for expert consultation!

Contact and Support

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