

Ultrasonic Depth Measurement System Sweet

A co-operative project between Kraft Foods Lietuva and Ultrasound Institute

Contract no.: 7452

The objective of the project

To develop a non-contact profile reconstruction technique for automatic measurements of the thickness of a semi liquid chocolate layer at selected points with high accuracy (uncertainty < 0.1mm), when the object moves with an unknown variable velocity.

Ultrasound Institute

The high accuracy automatic ultrasonic depth measurement system was developed, including ultrasonic air-coupled transducers and production quality control software for line operator.

RELATED INFORMATION

1. **R.Kažys, L.Mažeika, R.Šlīteris, A.Voleišis.** Online Profiling of Nonplanar Objects by High-Resolution Air-Coupled Ultrasonic Distance Measurements. IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT. Vol. 56, No. 5. 2007. p.1825-1830. [pdf/](#)

