

K 2010 Preview

Exhibition: **K 2010,**
27 Oct – 3 Nov, Düsseldorf
Company Name: **ZUMBACH Electronics**
Address: P.O. Box, CH-2552 Orpund Switzerland
Booth: **10 E41**

In-Line Measurement Technology and Quality Control in Extrusion Processes.

Zumbach is again showing many new developments in the area of in-line measurement and quality control at the K 2010.

Brief description of the main exhibits:

1. Wall Thickness / Diameter Measurement and Control for Tubes and Hoses

Zumbach's hi-tech ultrasonic **WALLMASTER** system offers new and application-specific solutions for wall thickness measurement and control. Outside and inside diameter can also be controlled, when an **ODAC**[®] laser measuring gauge is connected.

- **WALLMASTER** measuring data processor. Available with conventional or touch screen. For connection to **UMAC**[®] and several **ODAC**[®] diameter gauges as well as fault detectors. Control, statistics, SPC, processor communication.
- **UMAC**[®] **CI** high performance ultrasonic measuring system, working completely on a digital basis, allows flexible and specific configuration of the measuring task.
- **UMAC**[®] **Z scanners**: Completely new design (pat. pending), the transducers can be synchronously adjusted to the best possible measuring position within seconds. The scanner covers an outside diameter up to 180 mm (7 in.) and represent a smart and simple solution for fully non-contact, in-line wall thickness measurement of cable jackets, tube and hose.
UMAC[®] **R scanners** featuring up to 8 measuring points and bigger diameters (up to 450 mm) will also be exhibited.

2. Dual & Triple Axis ODAC[®] Diameter and Ovality Gauges

New laser based diameter gauges for high precision measurement of tubes and hoses. A selection of standard and new models with special laser beam geometry, fault detection function and high scan rate will be on show.

July 2010

For immediate release

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For additional information contact:

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3. In-line Profile Cross Section Measurement

Complete profile cross sections including withdrawn dimensions, radii etc. can be measured and displayed with the **PROFILEMASTER®** systems by applying light sectioning technology (laser and CCD's). Placeholder among the complete line of **PROFILEMASTER®** systems will be the compact **PMM 80** model.

4. Surface Fault Detection in 3 Axes

Surface faults can be detected, depending on the kind of fault, via image processing or photometrically with the 3-axis fault detectors **KW 13TRIO** and **KW 32TRIO**.

5. In-line Surface Quality Inspection with High-Tech

SIMAC® 63, an ultra-modern surface inspection system using image processing. The design was focused to achieve the best price / performance ratio for practically all tubes, hoses and other quality products made of plastic, rubber and other materials.

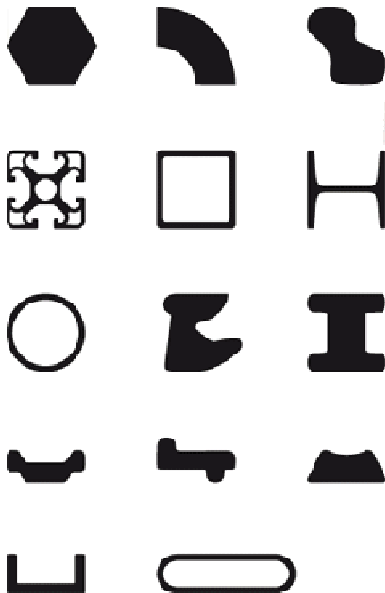
6. Optical Length and Speed Measurement

The new **SPEEL 3000**, designed for applications requiring very high accuracy even at very high velocities.

7. Software Packages

A complete line of Windows based software packages for many different functions, such as data logging, remote viewing, multi part measurement and many more.

Profiles of All Kinds



Profile and shape measurement system **PROFILEMASTER® PMM 80**

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