

## **New Gauges based on “Linear Sensor Technology” allows cost-effective, synchronous multi-axis Measurement of Diameter and Ovality in any Pipe, Tube and Hose Extrusion Process**

With the MSD diameter gauges, ZUMBACH electronics introduces a new series of measuring heads for on-line diameter and ovality measurement and control. This new line complements the high-precision laser diameter measuring heads of the ODAC® series. The MSD models achieve their ideal efficiency in terms of price and performance specifically for applications in the plastics, rubber and cable industry for extruded tubes, pipes, hoses, cables and similar.

The experience of 57 years with on-line and off-line measurement and control technology has led to a product characterised by the most current and sophisticated technology and functionality as well as by the well-known ZUMBACH accuracy and reliability. Thanks to this “Linear Sensor Technology” (pat. pend.) it was possible to build very compact yet accurate measuring heads.

### **Unique measurement technology for products up to 200 mm outside diameter**

- A new product line with 2-coloured LED light sources allowing simultaneous scanning in each axis (XY\*) and thus trouble-free measurement even with product vibration
- Integrated extraneous light filters prevent occurrence of measurement errors that to date seemed unavoidable
- Perfect performance even with reflective surfaces thanks to the use of different colour lighting for each measurement axis

\*This new concept allows even a 4-axis measurement of products up to diameter 54 mm



**October 2013**  
For immediate release  
Reproduction free of charge  
For additional information contact:  
PR & Advertising Department  
ZUMBACH Electronic AG

1 / 2

Switzerland (H.Q.)  
ZUMBACH Electronic AG  
P.O. Box, CH-2552 Orpund  
Tel.: +41 (0)32 356 04 00  
E-Mail: sales@zumbach.ch  
[www.zumbach.com](http://www.zumbach.com)

**October 2013**

*For immediate release*

*Reproduction free of charge*

*For additional information contact:*

**PR & Advertising Department**

**ZUMBACH Electronic AG**

2 / 2

**Switzerland (H.Q.)**  
ZUMBACH Electronic AG  
P.O. Box, CH-2552 Orpund  
Tel.: +41 (0)32 356 04 00  
E-Mail: [sales@zumbach.ch](mailto:sales@zumbach.ch)  
[www.zumbach.com](http://www.zumbach.com)