

## **In-Line Surface Quality Inspection with Hi-Tech and Cost-Effective System from Zumbach Electronics**

### **SIMAC<sup>®</sup> 63**

Zumbach Electronics introduces a new, ultra-modern surface inspection system. The SIMAC<sup>®</sup> 63 is the latest model available in the Zumbach's family of surface inspection using state-of-the-art image processing. The design was focused to achieve the best price / performance ratio for practically all tubes, hoses, cables and other quality products made of plastic, rubber and other materials. Additionally, the SIMAC<sup>®</sup> 63, fulfils the demands of the market for a compact, industrial-proof and cost-effective system.

As a pioneer of on-line measurement committed to extensive research and development activities, Zumbach Electronics has continuously grown as one of the world-wide leading manufacturers of on-line measuring and control systems. Top priority at Zumbach Electronics remains to be customer relationships through local presence combined with proven high quality products, services, personal consultations and support.

#### **Customer Benefits**

- Increased product quality = Higher customer satisfaction
- Easy to use, with a graphical user interface (GUI) of the latest generation
- Very compact design
- **Modular, extensible with various options**
- Bright and focused image, sees surface faults down to 100 µm
- Length related scanning and fault definition
- Seamless integration of the PC-based system with your network

#### **Main Data**

Measuring field:	63 mm
Product diameter range:	Approx. 2 – 50 mm
Product lighting:	LED
Scan rate:	Up to 35'000 scans/second
Cameras:	Line scan
Operating system:	Windows <sup>™</sup> XP embedded

*...see page 2 for pictures*

**December 2009**

*For immediate release*

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*For additional information contact:*

**PR & Advertising Department**

**ZUMBACH Electronic AG**

**Switzerland (H.Q.)**

ZUMBACH Electronic AG

P.O. Box , CH-2552 Orpund

Tel.: +41 (0)32 356 04 00

Fax: +41 (0)32 356 04 30

[www.zumbach.com](http://www.zumbach.com)

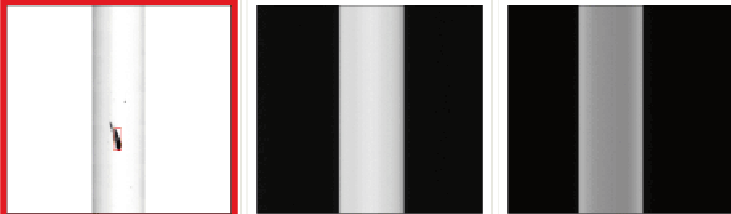
**SIMAC 63** | Inspecting | 14.02.01 24.11.2009

Camera #1 | Camera #2 | Camera #3

Camera #1: 4.07 in Height 80.04 mm | 4.92 in Width 102.00 mm

Camera #2: 17.32 in Height 80.04 mm | 17.26 in Width 81.44 mm

Camera #3: 17.32 in Height 80.04 mm | 17.36 in Width 81.44 mm



**Log**

Time	Source	Length	Value	Defect No.	Event
14.00.18	Rear	0.00			Product Information
14.00.20	Camera 2	0.10	11.0	1	Dark Inspection
14.00.20	Camera 2	0.20	3.0	2	Dark
14.00.20	Camera 2	0.30	5.1	3	Dark
14.00.20	Camera 3	0.00	0.0	4	Dark
14.00.20	Camera 2	0.00	0.0	5	Dark
14.00.20	Camera 2	0.20	4.2	6	Dark
14.01.26	Camera 1	4.52	60.8	7	Dark

Length: 17.32 in

Line Speed: 65 m/min

Total Defects: 7

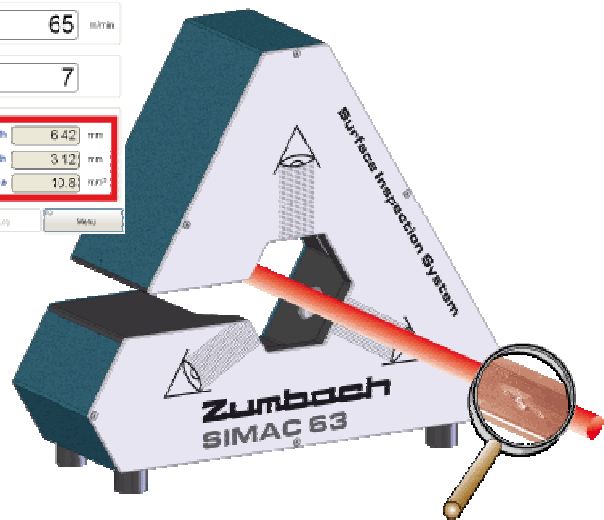
**Defect Detail**

Length: 6.42 mm

Width: 3.12 mm

Area: 13.8 mm²

Log: Lock | Inspection | Print | Quit | Product | Log | Setup



SIMAC<sup>®</sup> 63 with typical display of the cameras and log of faults

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