

Multiple Measuring Technologies from Zumbach Electronics Assure Your Success

As a pioneer of on-line measurement, Zumbach Electronics manufactures a comprehensive range of non-contact, on-line measuring and control instruments. Our technology is in use world-wide for such dimensional parameters as diameter, thickness, eccentricity, out-of-round and for physical or electrical parameters like expansion, capacitance, dielectric strength, and more. One or more parameters of a production line can be monitored simultaneously.

These technologies guarantee a fast return on investment (ROI) and offer a most efficient solution for specific applications and are most valuable for material savings and process optimization. In order to assure the quality of the final wire and cable product of any size and form, we use among others the following state-of-the-art technologies:

Ultrasonics

For wall thickness, with **UMAC[®] / WALLMASTER** systems

- Up to 8 measuring points
- Up to 15.000 measurements / s
- Novel concentric transducer adjustment allows product diameter set in a few seconds

Optical / Magnetic (combined)

For eccentricity/concentricity & diameter, with **ODEX[®]** gauges

- Insensitive to wire vibration thanks to high speed scanning
- Extremely compact and fully static, no moving mechanisms
- Automatic inductor control allows for installation in tight areas

X-Ray Tomography

For wall thickness, eccentricity, diameter / ovality with **RAYEX[®]** Systems

- High measuring rates, simultaneously in x and y axis
- Unique protection system for beryllium windows
- Customized measuring tube segments

Laser

For diameter / ovality with 1, 2 or 3 axis **ODAC[®]** gauges

- Highest accuracy, repeatability up to 0.05 μm / .0000001 in.
- Ultra high scan rate, up to 2000 / s
- Worldwide, more than 60.000 gauges sold

May 2008

For immediate release

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For additional information contact:

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ZUMBACH Electronic AG

Switzerland (H.Q.)

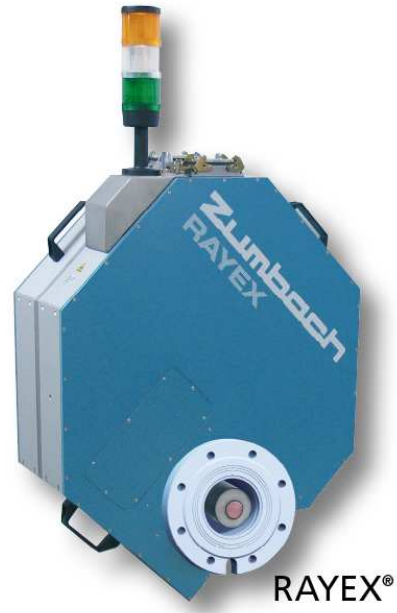
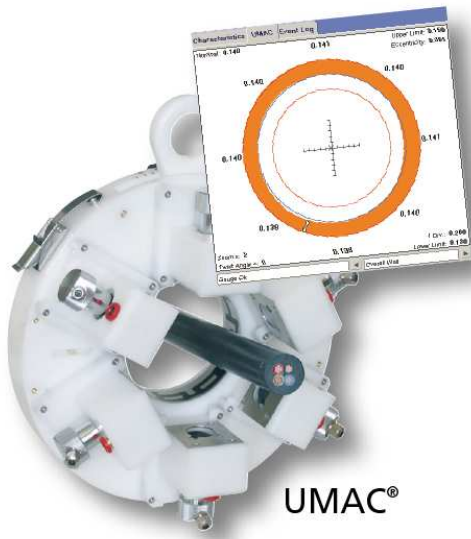
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Picture shows a typical gauge of each of the above described technologies.

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