

New Product Flash

Quality, Quality, Quality ...

Top quality is today a precondition for success and profit. "Just in time", "Zero Fault Production" etc. require consequent and flawless quality control. The safest and most efficient way is "on-line", i.e. integrated into the production line and on a continuous basis.

MACHINE VISION - The right answer

A flawless and flexible quality control is only possible by means of Machine Vision, i.e. state-of-the-art image processing. Machine Vision can be used for almost any inspection task. Each particular product, however, requires specialized sensors, hardware and software. The system software is highly sophisticated and is able to process the information received from varying surface structures and colors with the flexibility required for picture analysis.

The SIMAC® 63 System

SIMAC® 63 is one of the most advanced surface inspection system for extruded products such as cable, pipe and hose. Its hardware and software reflect field experience with the SIMAC® 500 and continuous development over many years.

Typical Applications

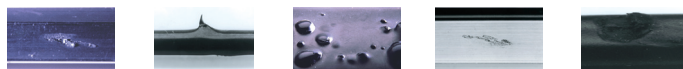
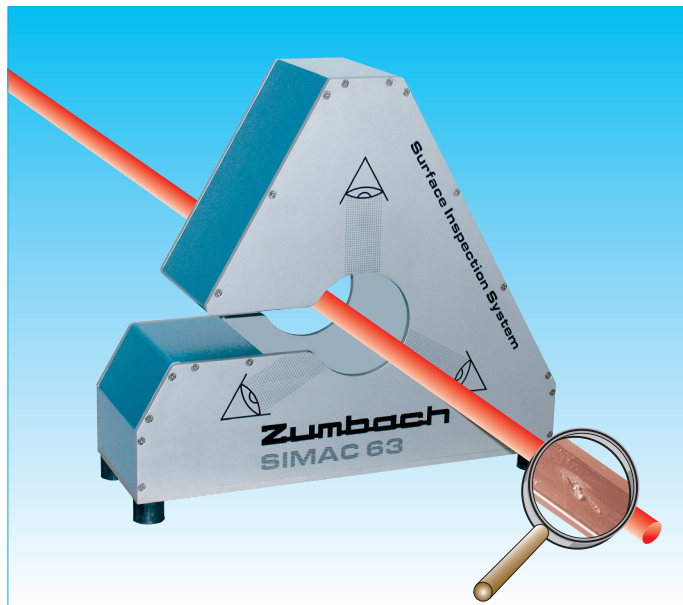
- Cables
- Hot water pipes
- Compound pipes
- Gas pipes
- Automotive tubing
- Rubber hoses
- And any high quality product

Advantages

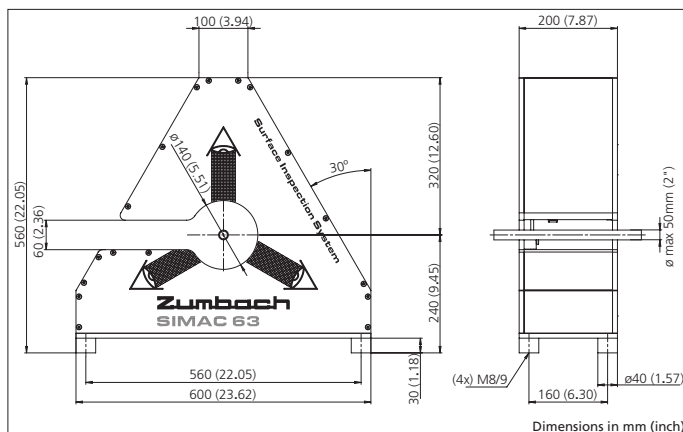
- Easy to use, with a graphical user interface (GUI) of the latest generation
- Touch screen
- Very compact design
- Bright and focused image, sees faults down to 100 µm (.004 in.)
- Up to a line speed of 500 m/min (1640 ft/min)
- LED lighting system
- Length related scanning and fault definition

SIMAC® 63

Surface Quality Inspection System



Dimensions



Main Data

	SIMAC® 63	
Measuring field	63 mm	2.48 in.
Product Ø range	Approx. 2...50 mm	Approx. .08...2 in.
Lighting	LED	
Cameras	Line scan	
Scan rate	Up to 35'000 scan/s	
Line speed	Up to 500 m/min (1640 ft/min) (for 0.1 mm/.004 in. fault detection)	
Min. fault size	0.1x0.1 mm	.004 x .004 in.
Operating system	Windows XP embedded	

▪ Technical specifications are subject to change without notice

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