

ODAC[®] 550 Large Field Scanners for High-Precision Diameter Control in Cold Processes for large Sizes and Heavy Environment.

Peeling-Grinding-Straightening- Quality Control (NDT)

Zumbach Electronics, Switzerland has extended its well-known range of ODAC[®] laser scanners for non-contact inline diameter measurement for large size solutions.

With the ODAC 550 it is now possible to measure also large steel bars, tubes, rolls etc. up to 500 mm or more at accuracies of a few metric microns and rates of up to 2000 measurements/s. Any other material like titanium, brass, alloys, plastic works as well.

This was made possible by the development of a revolutionary optical scanning technique with a highly parallel and seamless measuring field (no dead zone!). This technology also allows mounting emitter and receiver far apart from each other, depending on the available space conditions.

Typical processes where the system offers new solutions are peeling, grinding, polishing, straightening as well as in quality control lines (NDT). The dimensional data for diameter, ovality etc. can be fed out directly to the user's network or also displayed in real time for the operator by USYS processors and also for feedback to the machine.

Complete accessories like secondary protection enclosures, cooling devices, air purging, air knives etc. are available for heavy duty environments.

Key Data

Measuring Field:	550 mm (61.65 in)
Field type:	Absolutely parallel, no dead zone
Measurement rate:	1000/s, option 2000/s
Repeatability:	Typically +/-0.005 mm (0.0002 in.)
Laser:	Class 2
Protection class:	IP65

...see page 2 for pictures

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For immediate release

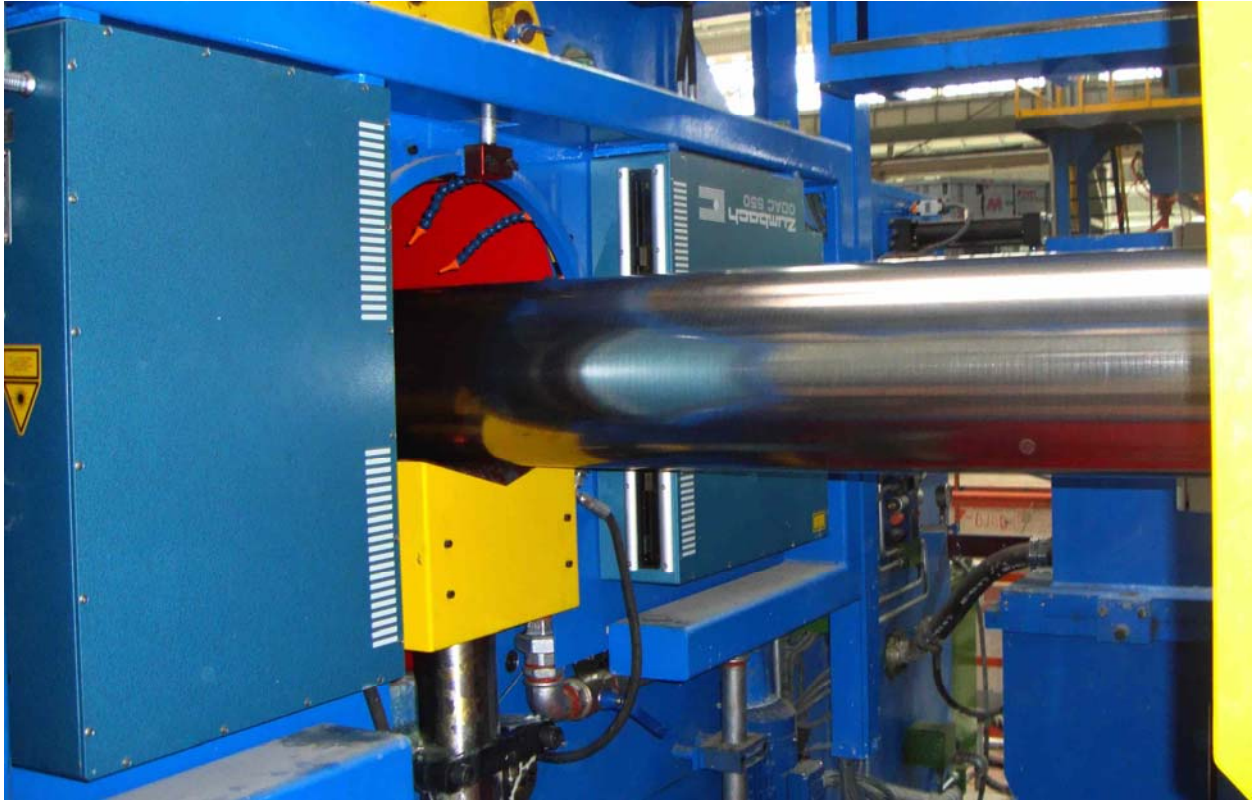
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ODAC[®] 550 installed on the biggest peeling machine of the world
(Photograph courtesy of Landgraf, Italy)

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