

ZUMBACH supplies In-line Diameter Monitoring System to TENARIS TAMSA in Mexico

TENARIS TAMSA decided to fill its requirement for a new In-line Diameter Monitoring System for the FAT-2 rolling Mill with a new STEELMASTER laser measuring system from ZUMBACH ELECTRONICS.

TENARIS TAMSA is located in Veracruz, Mexico, and it is the leading supplier of seamless steel pipes and value-added services for the Mexican energy industry and for other industrial applications.

The system will provide continuous measurement of diameter, ovality and shape of seamless pipe of up to 18" OD. The sensors are going to be installed immediately after the sizing mill, and after the existing isotope wall thickness measuring unit.

The system features two large laser scanners, capable of taking over 1000 readings per second, with a resolution of 0.001 mm and an accuracy of better than 0.1 mm. The gauge can be used in static (orientable) mode, or with a continuous oscillation, covering the full tube circumference.

The laser gauge will provide diameter and ovality information all along the rolled product. The data will be visualized as section profiles, as trend charts and in numerical form. The measurements will be used for mill optimization, and continuous process monitoring. The acquired data will be automatically transmitted to a database on the host computer via the in-plant Ethernet.

Commissioning is planned for summer 07.

The system is manufactured and commissioned jointly by Zumbach Electronic AG Switzerland and Zumbach Electronics Corp. USA

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