

LIMAB – Long Products

Non-contact dimensional measurement systems for process and quality control.



Perfection – measured by commitment

When success is measured by the level of precision and yield.

Piercing mill OD, ovality, shape (Process control) Mandrel/plug mill OD, ovality, shape (Process control)

Possessing effective control over tubes, bars, and billets is crucial in the manufacturing process. The measurement systems by LIMAB offer all the necessary tools to ensure that this control can be attained with minimal effort.

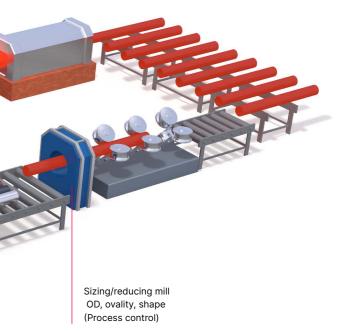
With years of expertise, LIMAB excels in supplying laser measuring systems tailored for rough production environments, ensuring both high accuracy and low maintenance. Specifically designed for harsh conditions, our measurement systems for long products are non-contact and facilitate in-process monitoring. Attaining high accuracy is not only reliant on the use of precision laser sensors – mechanical design considerations are equally crucial. Knowing that the product being measured often vibrates on most production lines, we have designed a system that ensures such vibrations do not compromise measuring accuracy.

The LIMAB systems for long products have proven their capabilities over the years across various types of facilities. We can provide diameter, ovality shape, length and straightness measurements which is crucial for final product quality control.

> Straightening mill OD, ovality, shape, length and straightness (Quality control)

man





The LIMAB systems are designed for high accuracy and low maintenance.



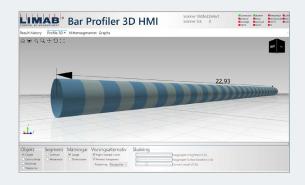


Always on point with real-time data

The easy-to-use Windows-based system software offers an extensive set of functions, providing real-time measurements for diameter, ovality, shape, length, and straightness of tubes, bars, rods, and billets. It displays graphs in 2D and 3D for every product, along with screen alarm indications, trends, product library, and user database. In addition, production statistics, including Cp/Cpk, are compiled and displayed.

The LIMAB systems have many possibilities for communication with higher-level systems or PLCs. Examples include OPC UA, databases, direct connections to PLCs (SIEMENS, AllenBradley, Schneider and TCP/IP, among others).

LIMAB was founded in 1979 and has since developed into a world leader in laser-based sensors and systems for dimensional and defect measurements. The headquarters is based in Göteborg, Sweden, with subsidiaries in the United Kingdom, Germany, and the USA, along with certified partners in other markets.







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Laser Class according to EN 60825-1:2014 and 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007