The R-laser Laser Scan Machine system for log cubing is a device developed to measure with high precision the size of logs and therefore the volume before being cut. Through a series of laser scanners and rangefinders the system detects the diameter and length of the log in multiple positions.

The Laser Scanner Machine system has a dedicated software that detects the measurements of the trunk and calculates its volume, stores it on a database with the necessary references to recall it in the future. It is also possible to photograph and print labels (with a suitable printer).

The speed of analysis and resolution of the optical sensors (Sony r) guarantee precision and reliability of the analyses.

The R-Laser components and software (Made in Italy) and the dedicated staff guarantee continuous and specific evolution of the product so as to be able to guarantee direct and web-based assistance. The Software was developed directly by R-LASER in Italian, Spanish and English and is supplied as standard with the Laser Scanners and guarantees specific functions for the customer.

The real-time diagnostics during use make it totally reliable, the integration with other communication systems make the Laser Scanner Machine a perfect solution for Industry 4.0.

The LDS-M system can be interfaced with mechanical movement systems or with existing log saws.

Technical Features:

Power Supply	24 Vdc - 4A
Laser Scanner	Classe 1
Connection	Lan Rj 58
Housing	MAX 18000mm x diam. 2500 mm
Operating temperature	-10° min + 60° max
Environment software	Windows /linux

System components

Laser scanner box

Laser rangefinder LDS

Control Box Switch& power

PC monitor

wi-fi connect

For any application we are ready to help you and find the solution.