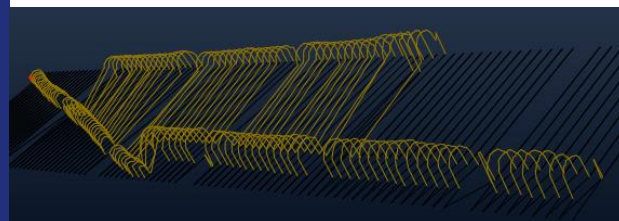
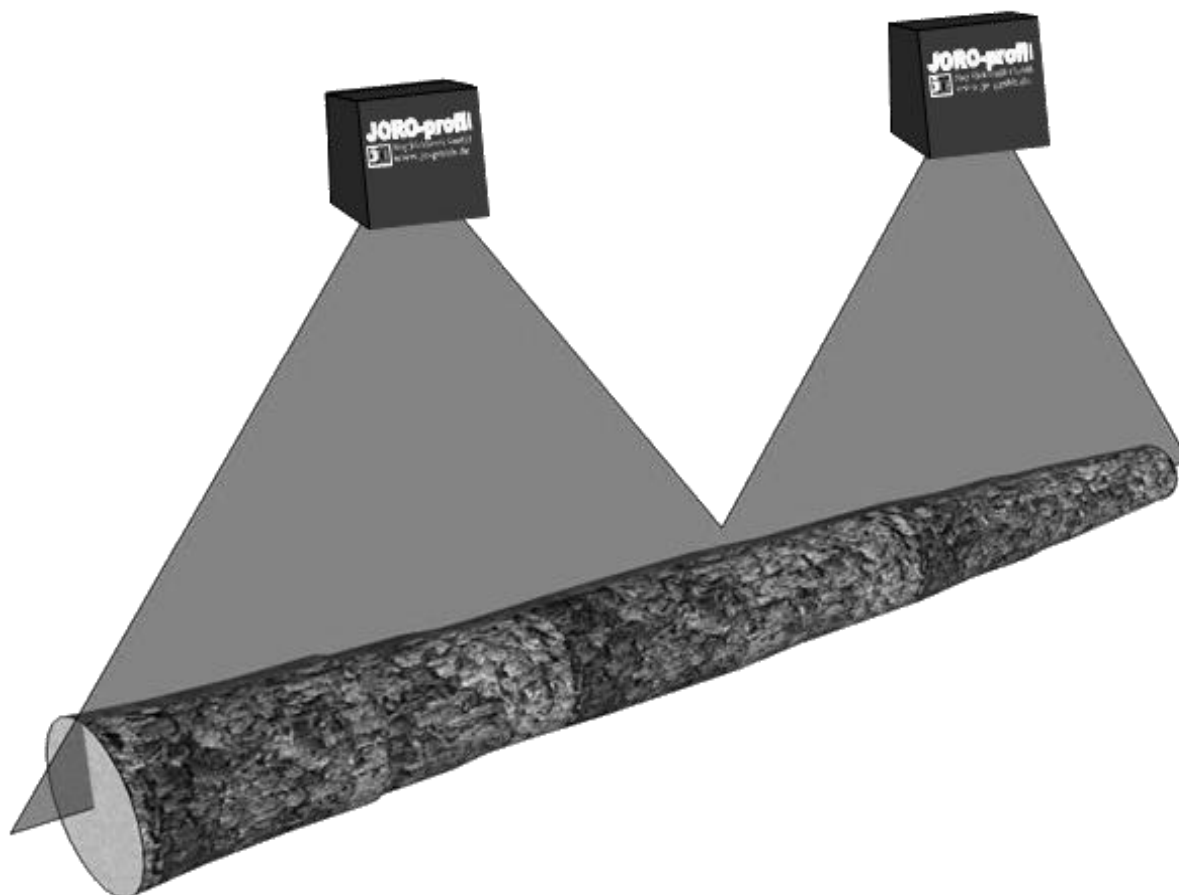


JORO-profil

Measuring at the speed of light



Maximum accuracy



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Information

JORO-profil

is an elevation profile sensor for contour measuring of logs and similar goods in cross- and longitudinal processing lines.

- ✓ The mounting of the sensor in a defined height above the cross-conveyor is **easy**. After execution of a reference measurement on the empty cross conveyor, the sensor is ready for use. Web browser based parameter configuration allows adjustments on the local browser or via remote access.
- ✓ The shutdown function **increases the lasers' service life**.
- ✓ Complex algorithms and a sophisticated measurement technology enables **reliable** measuring on a variety of object surfaces and structures. During measurement pauses, a **self-monitoring** function checks the sensors' functionality.

Measuring principle

The elevation profile of measured objects is recorded and evaluated in accordance to the predetermined transport speed.

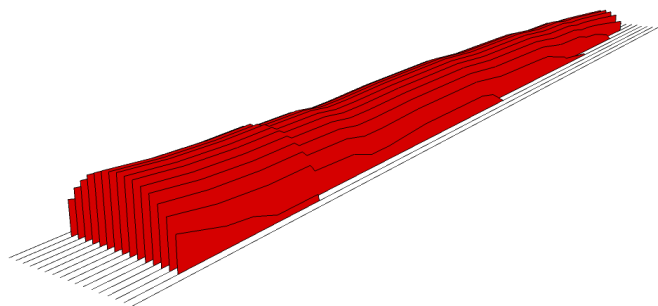
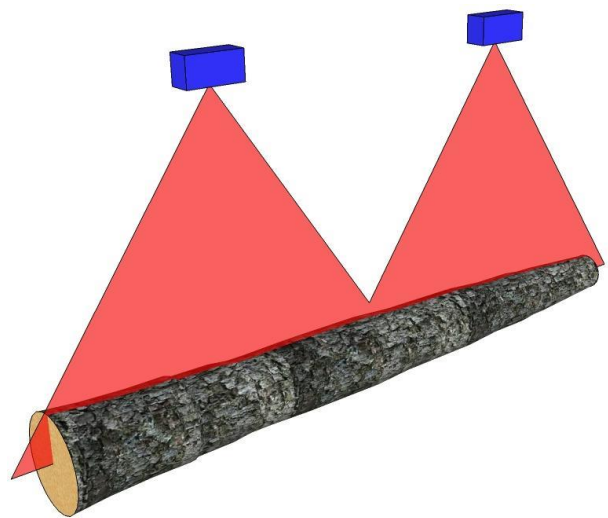
Typical applications

- ✓ **conveyor technology**
- ✓ **wood processing**
- ✓ **general cargo distribution centers**

Wood processing
electronics

Log optimizer

Software for sawmills



Toughness and stability due to many years of experience

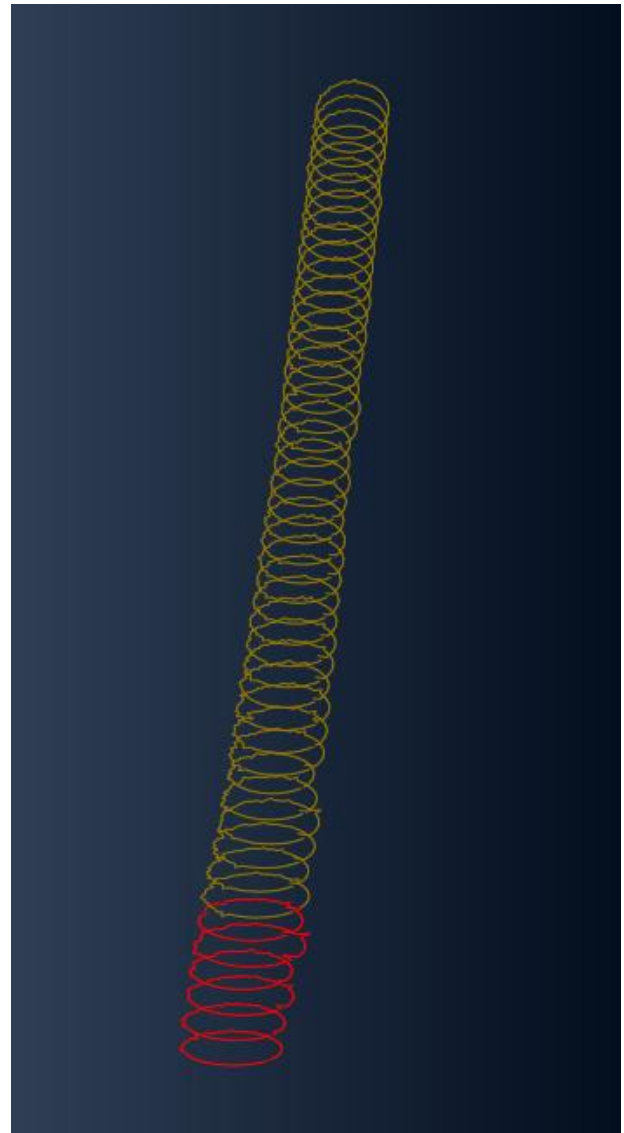
Specifications

Determination of

- ✓ minimum length
- ✓ maximum length
- ✓ minimum diameter
- ✓ maximum diameter
- ✓ crook

Technical data

- ✓ measuring distance
3 m
- ✓ diameter range
50 mm ... 1000 mm
- ✓ length of measured goods
 - JORO-profil300: 300 cm
 - JORO-profil600: 600 cm
- ✓ frequency
200 Hz
- ✓ accuracy in distance measuring
 - typical: ± 4 mm
 - statistical: ± 2 mm
- ✓ laser protection class
class 2
- ✓ power supply
24 V DC
- ✓ temperature range
-20 °C ... +50 °C
- ✓ protection class
IP65



3D measuring data of a log



Full overview in the JORO Web-Monitor

Specifications

Advantages

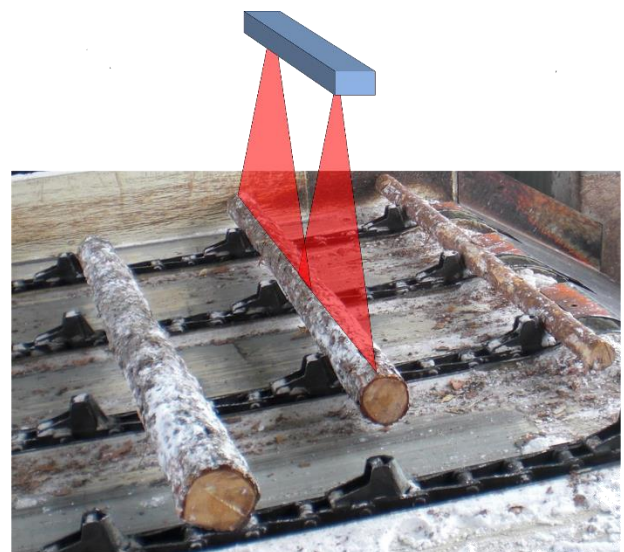
- ✓ no interruption of conveyor
- ✓ small effort for installation
- ✓ suitable for industrial environment
- ✓ sorting of sawable wood
- ✓ trouble-free production process
- ✓ determination of daily / monthly performance

Included parts

- ✓ **sensors (1 or 2 depending on measuring range)**
- ✓ **control cabinet**
 - IPC + UPS (evaluation computer)
 - cables
 - electric unit for I/O-signals
 - length encoder (incl. mounting)
- ✓ **software package**
(German/English/Polish – further languages on demand)
 - web-based user interface
(independent of operating system)
 - production statistics
 - good/bad decision with corresponding signal



Conveyor measuring



Cross conveyor measuring