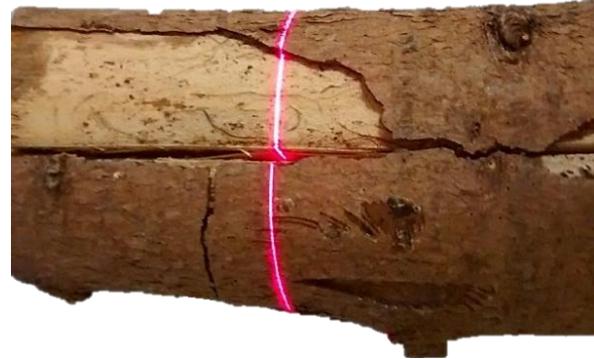


DATA SHEET

JORO-3D-lin

Measuring at the speed of light



Maximum accuracy



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JORO-3D-lin

Information

Wood processing
electronics

Log optimizer

Software for sawmills

JORO-3D-lin is a true shape scanner for logs.

A surrounding high-speed 3D camera system continuously scans the laser light band around the object of measurement. Unbroken recording of the measurement points allows an evaluation of the measured object without calculation or interpolation.

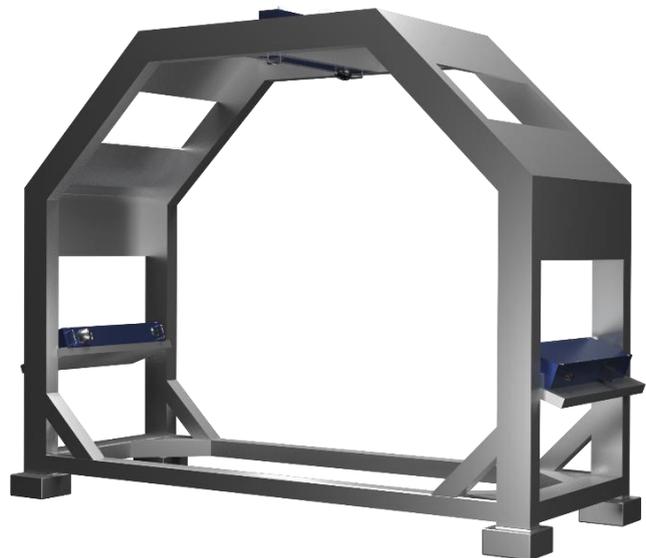
Your wood is evaluated and shaped according to the actual measured values.

JORO-3D-lin does not need any interruption in the conveyor and no mechanical reconstruction. Integrated electronic allows a maximum conveyor speed of up to 240 m/min without performance loss.

Evaluation of data is done in real time, using high-speed fiber optic cables and real-time software (Real-time Linux). The continuous recording of the complete surface allows an optimum measurement of ovality, taper, curvature and sweep, independent of the position of the log and the measuring position.



Full overview in the JORO Web-Monitor



Toughness and stability due to many years of experience

Advantages

Environmental Influences

- ✓ barely any protection against mechanical damage necessary
- ✓ extended temperature range without air condition
- ✓ waterproof
- ✓ dustproof
- ✓ stable against vibration

Measuring

- ✓ true shape measuring in one stage
- ✓ simple calibration
- ✓ software survey of all sensors
- ✓ scalability

Standard industrial interface

- ✓ standard reports of known brands are available
- ✓ configurable data communication
- ✓ customer specific adaptations

Mechanics

- ✓ no interruption of conveyor
- ✓ to a great extent independent from mechanics
- ✓ smooth installation in existing mechanics
- ✓ simple adjustment

Included parts

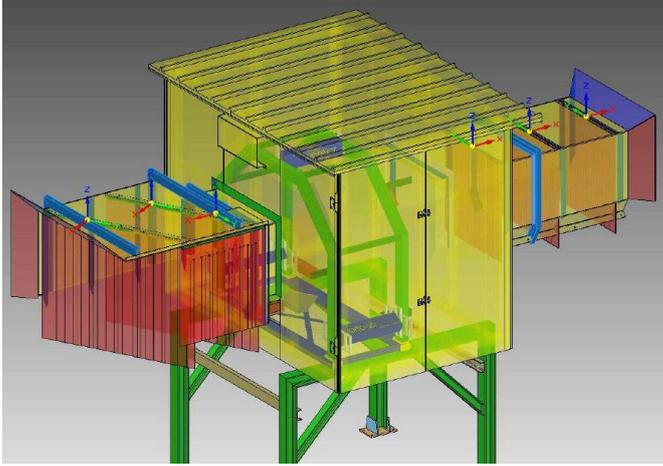
- ✓ mechanical fixtures
- ✓ cables
- ✓ encoder with cables
- ✓ installation guide

Certification

- ✓ EU type approval
- ✓ CE certification
- ✓ EU EMC norms

JORO-3D-lin

Technical data



Example installation (Drawing by HOLTEC)

- ✓ **range:**
800mm /1000mm
- ✓ **accuracy:**
<1,0mm
- ✓ **scan rate:**
max. 400 measurings/sec
- ✓ **power supply:**
230V AC, 50Hz
- ✓ **temperature range:**
-40°C ... +40°C
- ✓ **norms:**
IP65, IEC 825-1
- ✓ **EMC:**
CE

Applications



Measuring unit

- ✓ **log yard**
- ✓ **automated sorting line**
- ✓ **primary breakdown**
- ✓ **secondary breakdown**
- ✓ **green mill lumber sorting and handling**
- ✓ **recognition of logs with digital fingerprint**
- ✓ **special solutions**

References in Europe

Germany: Aurnhammer, Baumann, Bien-Zenker, Karl Decker, Dold, Dölker, Egger, Eigelshoven, Elka, Fisch, Gmach, Hassel, Hirschbach, HIT, HMS, Hüster, IBH, Krenzer, Künzel, Pieper, Robeta, Ruser, Schilling, Holz Schmidt, Schwaiger, Sturm, von Roje, Josef Ziegler, Ludwig Ziegler

France: Barillet, Beynel, Bois du Dauphiné, Bourganeuf-Bois, Cros, Celle, Ducret, Droin, Dubot, Farges, Fruytier, Garmier, Gallien, Josso, Mourlan, Piveteau, Seignol

Belgium: IBV, Fruytier, Niessen, Comes

GB: Walker, James Jones, Pontrilas

Poland: Olczyk, Swedwood

Austria: Hechenblaickner, Vögele, Steurer, Welte

Switzerland: Schilliger, Brühwiler, Reinhard, Olwo

Baltic: Smiltene, Joudeliai