



# JÖRG

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*Wood Processing all-around measuring device  
Log Optimizing Software for Sawmills*

## JORO-3D

By means of a continuous light band, the object of measurement is scanned all around. An unbroken recording of the measurement points allows an evaluation of the object of measurement without calculation, without interpolation, i.e. your wood is evaluated and shaped according to the actual measured values

- no interruption in the conveyor belt,
- no mechanic reconstruction.

Installing and measuring, scanning at the speed of light, evaluating with high performance processor and evaluating the optimum result.

The position of the object of measurement is finally no longer important. The continuous recording of the complete surface allows an optimum measurement of ovality, taper, curvature, sweep, independent of the position of the log and the measuring position. A perfect recognition of cut sections is a matter of course.

The new measurement technique allows a certain quality recognition or evaluation resp.

Environmental influences, such as temperature fluctuations, pressure differentials and relative humidity are constantly surveyed and compensated.



The assembly is very simple and, thanks to the enclosed holding fixture and cables, can also be done by untrained staff.

The same applies to the adjustment which is very simple due to an integrated laser point and a test program. Due to scalable measuring ranges, completely new appliances are possible with the JORO-3D.

## Jörg Elektronik GmbH

**If others can't - WE CAN !**



## Advantages:

### Measuring

all-around measuring in one measuring stage  
 Simplest calibration  
 Software survey of all sensors  
 Scalability

### Certification

EU type approval  
 CE certification  
 EU EMC norms

### Mechanics

no interruption of the conveyor belt  
 to a great extent independent of mechanics  
 unproblematic installation in existing mechanics  
 simple adjustment

### Environmental influences

temperature, pressure, relative humidity are compensated  
 extended temperature range without air condition  
 waterproof  
 dustproof  
 stable against vibrations

### Standard Industrial Interface

standard protocols of known producers are available  
 configurable data communication

### Included Parts

mechanical fixtures  
 cables  
 encoder with cable  
 installation guide

## Technical data:

<b>Scan range</b>	800mm
min. 80mm	1000mm
<b>Accuracy</b>	< 1,5mm
<b>Scan rate</b>	400 scan /sec
<b>Power supply</b>	230V AC 50Hz
<b>Temperature</b>	-20° C ... +50°C
<b>Norms</b>	IP 65
	Dustproof,
	Jet water protectec
	IEC 825-1
<b>EMC</b>	CE

## Applications:

Log yard  
 Sorting line  
 Sawmill  
 Board sorting line  
 Log turner

JORO-3D