JE-Woodarchiv
Sustainable documentation

Maximum traceability

JE-Woodarchiv

Information

Wood processing electronics

Log optimizer

Software for sawmills

Round timber quality requirements increase continuously. Combining **JE-Woodarchiv** and the **JORO-3D** trueshape scanner, the Jörg Elektronik GmbH company closes the gap between measurement and optical documentation. This enables clarity during negotiations based on clear and accurate visual reports.
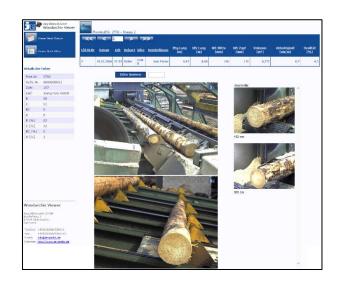
In order to document assessment of quality, the fully automated documentation of each log by use of a video camera has been developed. From a video sequence of the process, JE-Woodarchiv generates digital pictures of each log and saves them into a database together with the measurement data. Thus, an optical documentation of either each log or of manually downgraded logs is ensured. The largely independent system can also be integrated into existing plants.

Several cameras can be connected to the JE-Woodarchiv computer. Which means pictures can be taken from front and rear sides or, with long wood from various transfer points like first cut saw, end trimmer or reducer. After triggering, the pictures and measuring data are correlated and stored in a SQL database. Owing to the developed file technology and regular clearing of old data, the volume of data is kept small. A picture has a size of approximately 80 kB. Depending on the existing hard disk capacity, pictures up to HD quality can be stored. With a retention period of a half year, the size of the data base levels off at 600 MB. The advantage of the video camera technology lies in the continuous display. Therefore, the camera can also be used for monitoring. With the JE-Woodarchiv Viewer, viewing and searching the archive for specific criteria is made possible. As the JE-Woodarchiv Viewer is web based, it can be used by browser companywide. All measuring data and images are available; therefore, a complete documentation of each individual log is possible. The integrated filter and sort functions provide the user with a fast overview of the desired cart-loads. For a better visualization, the evaluation can also be exported and stored as PDF report.

JE-Woodarchiv tunnel

Full overview in the JE-Woodarchiv-Viewer

JE-Woodarchiv

JE-Woodarchiv consists of 3 modules:

Data collection and correlation

- ✓ Collection of measured data
- ✓ Pictures and measuring data correlation
- ✓ Small amount of memory required (80 kB per picture)
- ✓ Easy integration into existing plants
- ✓ Company logo can be integrated into application surfaces

Woodarchiv viewer

- ✓ Companywide browser access
- ✓ Filterable archive searching
- ✓ Easy supplier correlation
- ✓ Evaluation of individual logs
- ✓ PDF export for suppliers
- ✓ Internet portal for suppliers

Picture trigger

- ✓ Adjustable trigger time and location
- ✓ Monitoring function
- ✓ External triggering