Production line audit

Runnability problems? Process-related quality problems? A production line audit provides a closer look at your machinery and its known and hidden problems. Prioritized suggestions are given for improving line runnability through fine-tuning, adopting different operating approaches or making appropriate modifications.

Benefits

- Determine the capabilities of the existing concepts and the weakest links in the production process.
- Identify paper quality disturbances and the most critical problem areas affecting runnability.
- Help to implement immediate improvements in process parameters and operating procedures.

A tool for improving production lines' runnability, efficiency and paper quality

Maintaining consistent stability and optimal process performance requires regular analyses and appropriate maintenance actions. The target of a production line audit is to assist in confirming realistic machine line development targets and to improve runnability, paper quality and efficiency.

A production line audit provides the documented opinion of a Valmet paper technology or process specialist on how short- and long-term runnability, efficiency and performance can be enhanced. Therefore, it also helps mills improve their financial performance and customer satisfaction.

Content of production line audits

Audits are typically carried out by one Valmet specialist in close cooperation with the mill's production personnel. Some preliminary information is needed, such as drawings, basic process values and descriptions of any known problems.

The work at the mill lasts one week, and a final report with recommendations is delivered to the customer within four weeks of the visit.

Paper or board CD and MD profiles are also analyzed to determine the quality and stability of the process.

A production line audit includes a review of:
- Production efficiency
- Runnability and quality issues
- Performed studies and measurements
- Paper properties (lab analysis)
- Break and shutdown management
- Grade change management
- Profile management
- Process and quality control systems
- Operation parameters
- Concepts and capabilities
- Doctoring and cleaning
- Problems and bottlenecks

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