

Dryer Performance Evaluations

Dryer Section Optimization

Evaluating the performance of your dryer section can identify opportunities for improving energy efficiency, runnability, and productivity of your machine. Based on our evaluation of more than 1,000 dryer sections around the globe, Kadant Johnson offers unparalleled expertise and insight into optimizing dryer section performance.



The dryer section of your paper machine consumes large amounts of energy and can have a dramatic impact on the quality of your sheet and your bottom line. This complex process requires experience and technology in order to get the most from your dryer section.

A dryer performance evaluation from Kadant Johnson can help you improve your dryer section with proven solutions. A comprehensive report defines improvement opportunities and quantifies the benefits of operational and equipment changes.

Detailed recommendations are prioritized based on costs and expected benefits, so solutions can be “phased in” to get the most out of your investments as quickly as possible.

The process engineers leading these studies have broad experience working on paper machine dryer sections. With more than 1,000 dryer audits performed globally, Kadant Johnson’s process knowledge and application expertise ensures the best possible solution for your machine.

Kadant Johnson dryer section studies identify the following improvement opportunities:

- Energy savings
- Drying capacity
- Dryer drainage reliability
- Steam joint/syphon reliability
- Dryer section runnability
- Dryer uniformity

Typical scope for a dryer section study includes:

- Complete dryer section measurements
- Equipment sizing analysis
- Operational improvement recommendations
- Equipment upgrade recommendations
- Short-term and long-term improvement project list
- ROI analysis

Overview



Features

- Cost-benefit analysis
- On-site dryer survey and measurements
- Comparison with best-in-class operations
- Dryer section expertise based on more than 1,000 studies



Benefits

- Survey report identifying actionable opportunities
- Identification of energy saving activities
- Increased runnability and efficiency
- ROI calculations included for capital funding requests