Dryer System Solutions
Controls, equipment, and expertise

Engineered efficiency and improved utilisation.

Making the best solutions possible.
Kadant Johnson R&D opens the door to advanced drying solutions.

- Explore your drying potential
- Save energy and improve efficiency.
- Increase capacity and improve drying uniformity.
- Take control of dryer section runnability.
- From dryer surveys to dryer section control, we bring our technical expertise to you.
Kadant Johnson Systems offers a single source for steam and condensate systems and dryer section optimization

Kadant Johnson's knowledge of dryer technologies and machine performance allows us to provide advanced optimization services. Our systems adhere to the highest level of support in the paper industry.

- Accurate projection of drying and condensing rates is a key to successful dryer design.
- Kadant Johnson Systems personnel have completed more than 500 dryer section projects worldwide.
- More than 30 years of experience on hundreds of machines provides accurate characterization of dryer performance.
- Computer dryer models are tailored to accurately reflect actual machine operation.

**Syphon Characterization**
- Kadant Johnson is the leader in drying technology for more than 40 years.
- An accurate projection of the syphon differential pressure requirement and blow-through flow characteristics are essential elements of any dryer drainage system design.
- Unique operating conditions can be evaluated in the Kadant Johnson R&D Centre.

**Single Source Responsibility**
- System design is linked to the performance of all the system components: joints, syphons, bars, separators, and control systems.
- Kadant Johnson Systems is the only single source for all the drainage components of a dryer drainage system.
- Kadant Johnson Service Centre technicians and regional representatives provide regular on-site support for process evaluations, upgrades, modifications, and optimization.

**Unique Features**
- Robust regulatory control
- Intuitive graphical interface
- Remote diagnostic system
- Effortless supervisory control
- Pre-established drying curves
- Automated system pressure adjustments
- Push-button system control
- Automatic differential pressure adjustments
- Base load functions high
- Automatic system start-up control
- Valve condition monitoring
- Pressurized vacuum system
- Monitoring of total water evaporation
- Machine efficiency analysis

**Kadant Johnson's Papermaking Process Knowledge from Machine Surveys to Advanced Control Strategies and Installation Services, Places Kadant Johnson in a Unique Position to Offer the Highest Level of Support to the Paper Industry.**

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**Kadant Johnson Vortec™ Vacuum Generator**
- Capable of creating up to 28" Hg (9.3m H2O) of vacuum, the Vortec Vacuum Generator eliminates the need for traditional, maintenance-intensive vacuum pumps.
Papermakers from around the world “test drive” their latest ideas at the Kadant Johnson R&D Centre, simulating operating conditions, testing steam and condensate options for the future of their paper machines. The Kadant Johnson R&D Centre is unique in allowing a real-time view inside the dryer cylinders.

The Research Centre can select and demonstrate the right combination of rotary joints, syphons, and associated components to meet your specific requirements.

Whether you are looking to boost drying efficiency or optimise your steam and condensate system, Kadant Johnson R&D opens the door to explore your drying potential.

Looking inside the dryer to optimise drying efficiency.

Real-time view inside the dryer cylinder.