KĀDANT

FLUID HANDLING

Kadant Johnson Services

Kadant Johnson designs, manufactures, installs, and services fluid handling systems.

Mechanical Services

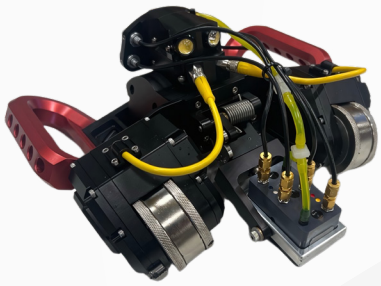
The experts at Kadant Johnson install and maintain rotary joints, syphons, and other fluid handling equipment to the highest standards. They have the specialized knowledge and skills required to safely and reliably manage projects, install and repair critical equipment used to manage flow in industrial processes, and provide comprehensive training to your personnel.

Safe, Reliable, and Expert Project Management
Kadant Johnson project managers are industry experts with extensive experience in coordinating projects, leading teams, handling critical equipment, and ensuring it is fully integrated into complex processes for maximum performance. Their specialized knowledge ensures downtime is limited, with each project expertly managed to ensure timely completion and well-documented results.

On-Site Maintenance Seminars
On-site maintenance seminars provide plant personnel with the knowledge and skills to accurately service Kadant Johnson products. Certified Kadant Johnson technicians travel to customer facilities to deliver both classroom instruction and hands-on training, ensuring mill personnel can effectively maintain critical Kadant Johnson fluid handling equipment.

Installation and Repair
Proper installation and repair of critical rotary joint equipment requires skilled technicians who understand complex processes. Kadant Johnson certified technicians have decades of experience working with rotary joints, syphons, and other fluid handling products and systems. Decades of experience and training has positioned the Kadant Johnson service team as one of the leading mechanical services teams in North America.

Nondestructive Testing (NDT)



Nondestructive testing ensures your critical equipment is operating safely, reliably, and efficiently. With decades of experience working in paper, tissue, and corrugated packaging industries, the Kadant Johnson NDT team has the necessary skills, experience, and training to safely and reliably inspect critical equipment at the highest standards, making them one of the leading NDT teams in North America. Each inspection includes a comprehensive report of deficiencies and prioritized recommendations for improvements.

Paper Dryer Nondestructive Testing

Kadant Johnson inspects paper industry steam and condensate pressure vessels to identify deficiencies and prioritize recommendations for safe and reliable operation. In addition to industry standards, Kadant Johnson has supplemental inspection criteria, standard reporting procedures, and certified personnel with specialized knowledge and experience for safe, dependable, and expert testing.

Reel Spool Nondestructive Testing

Non-visible defects on reel spool journals can lead to a critical failure if not periodically tested by a trained professional. Using phased-array ultrasonic testing (PAUT) techniques, Kadant Johnson certified personnel can inspect all reel spools on a paper machine, whether or not the sheet is attached, without removing them from operation.

Yankee Dryer Nondestructive Testing

Maintaining Yankee dryers per TAPPI and NBIC guidelines requires specialized knowledge and equipment. Each annual, biannual, and five-year inspection requires different inspections and testing. These inspections and subsequent actions improve safety and can extend the life of the Yankee Dryer.

Corrugating Nondestructive Testing

Kadant Johnson technicians reliably inspect plain-shell rolls, high-pressure condensate receivers (HPCR), and deaerator (DA) tanks. Over time, harsh chemicals found in steam and condensate can cause cracking, corrosion, and structural weakening of critical equipment. Periodic inspections ensure safe and reliable operation, reduce downtime, and improve efficiency in operations.

Audits and Evaluations

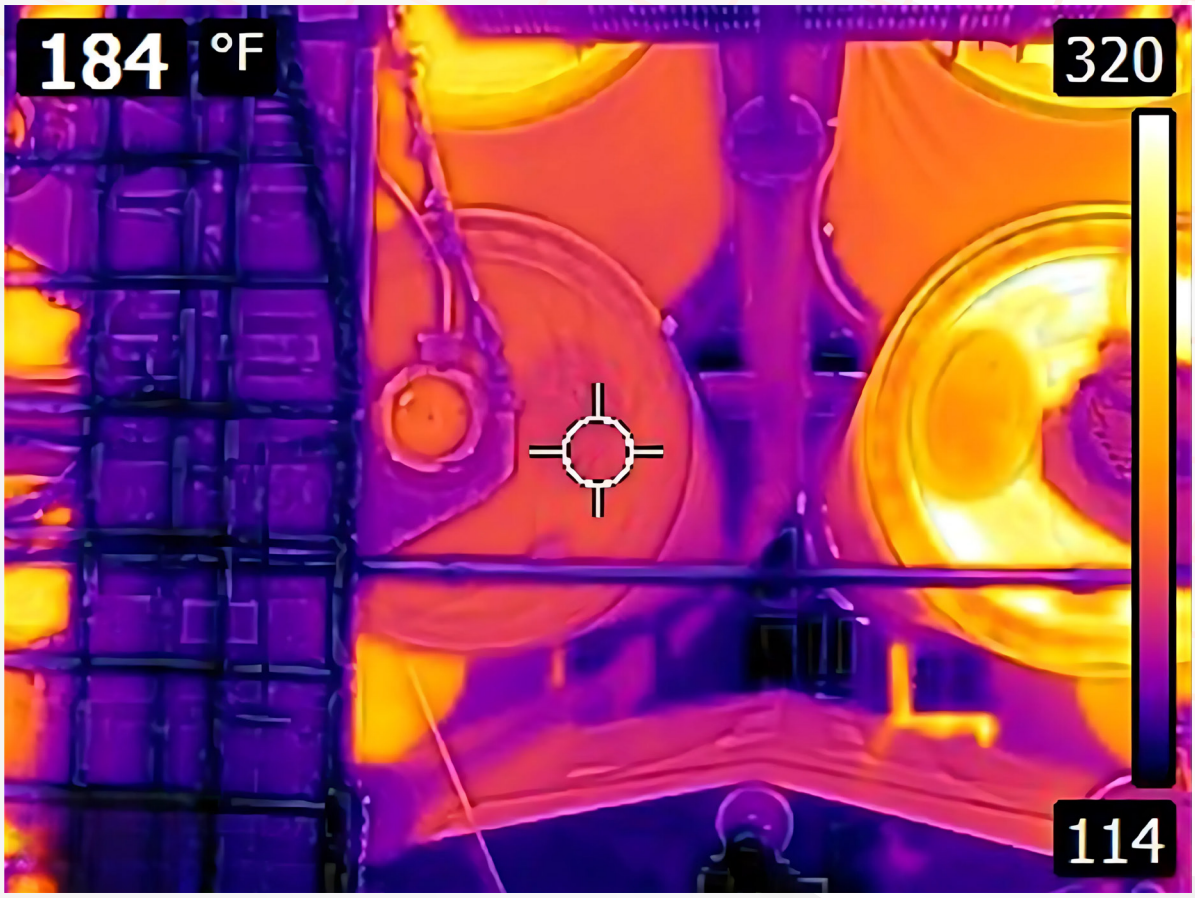
Improving process efficiency and operational safety starts with a partner who understands complex systems, equipment, and goals. Kadant Johnson has specialized knowledge and expertise to perform detailed audits and evaluations on critical equipment and intricate systems, always prioritizing safety and precision. After every audit and evaluation, a comprehensive report is provided that identifies and ranks opportunities for improvement. Kadant Johnson partners with you to address any open items.

Corrugator Steam System Audits

A Kadant Johnson steam system audit is a comprehensive review of steam and condensate systems supporting manufacturing processes. Trained Kadant Johnson technicians assess all critical components, including rotary steam joints, syphons, traps, intricate piping networks, and system controls, to ensure safe, efficient operation. Faulty or underperforming equipment can lead to energy waste, reduced production, inconsistent product quality, and unplanned downtime. The audit identifies both existing issues and potential risks, delivering a detailed report with prioritized recommendations and actionable steps to improve system reliability and performance.

Paper Dryer Performance Evaluations

A Kadant Johnson paper dryer performance evaluation is a thorough assessment of the dryer section on a paper machine, focused on identifying opportunities to improve energy efficiency, runnability, and overall productivity. Expert Kadant Johnson engineers evaluate steam and condensate systems, heat transfer efficiency, and mechanical performance. The result is a clear understanding of system limitations and targeted recommendations to optimize drying performance, reduce energy use, and enhance machine reliability. Drawing from experience of more than 1,000 dryer sections worldwide, Kadant Johnson offers unparalleled expertise and insight into optimizing dryer section performance.



The Kadant Johnson Advantage

Full Service Partner
Kadant Johnson designs, manufactures, installs, and services fluid handling equipment that supports process efficiency in industrial applications. Kadant Johnson's portfolio includes rotary joints, jet devices, condensate pumps, flexible hose, syphons, dryer bars, and system controls. These products are accompanied by a full range of services, including training, nondestructive testing (NDT), system design, repair, and installation. These services ensure the equipment is integrated effectively into complex customer systems, helping to optimize performance, reduce downtime, and maintain a single, trusted source of accountability.

Expert Support
Kadant Johnson provides expert support for rotary joints, syphons, and fluid handling systems with a focus on performance, reliability, and uptime. Experienced field service technicians deliver on-site inspections, troubleshooting, repair, and rebuild services tailored to each operation. Kadant Johnson conducts steam and condensate system audits, supervises installations, and offers operator training to ensure safe and efficient system performance. Preventive maintenance programs and system upgrades are also available to extend equipment life and reduce unplanned downtime. Every service is backed by Kadant Johnson's engineering, controls, and product expertise, providing responsive support that keeps systems running at their best.

Safe and Reliable Project Completion
With a deep understanding of industrial operations, Kadant Johnson team leaders manage projects with precision and accountability. Projects stay on track by coordinating resources, maintaining clear communication with stakeholders, and adapting to evolving site conditions. Team leads have hands-on expertise with fluid handling and thermal systems, enabling them to identify issues early, streamline installation and service activities, and ensure all work meets performance and safety standards. By focusing on planning, execution, and follow-through, Kadant Johnson helps customers minimize downtime and maintain efficient, uninterrupted operations.

Proven Performance Across Industries
Kadant Johnson offers superior service to process industries across North America with expert maintenance, repair, and optimization of thermal transfer and fluid handling systems. With decades of expertise and field-proven technologies, Kadant Johnson delivers reliable support that maximizes equipment life and performance.

About Kadant Johnson

Kadant Johnson is part of Kadant's Flow Control segment and supplies equipment and critical components used in process industries worldwide. Kadant Johnson's products, technologies, and services play an integral role in enhancing process efficiency, optimizing energy utilization, and maximizing productivity in resource-intensive businesses.

Primary Industries Served

- Chemical
- Building and construction materials
- Converting
- Corrugated packaging
- Food and beverage
- Lithium-ion battery
- Machine tool
- Metals
- Oil and gas
- Pulp and paper
- Rubber and plastics
- Textiles/nonwovens
- Tissue

Products

Rotary Joints and Unions

- Custom rotary unions
- Multi-passage rotary unions
- Precision unions
- Single passage rotary joints

Jet Devices

- Desuperheaters
- Thermocompressors

Liqui-Mover Condensate Pumps

- Float Free™ level control
- Float level control
- LMX™ smart pump
- Replacement level control
- ThermoZone™ condensate handling station

Accessories

- Air and steam separators
- Flexible metal hose
- Sight flow indicators
- Steam traps
- Syphon systems
- Turbulator® Tube™ bars
- Vacuum breakers
- Variable Moisture Steam™ showers

Services

- Inspections and nondestructive testing (NDT)
- Installation and repair
- On-site maintenance seminars
- Steam system audits

Systems

- Corrugator steam system audits
- Dryer Management System® control system
- Paper dryer performance evaluations
- Project management
- Steam and condensate system design

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