Kadant Johnson
Fluid handling technology

Rotary joints, precision unions, and fluid handling solutions.

An accent on innovation.
More than 70 years ago, Johnson was founded with the invention of the rotary pressure joint. Since then, the business has established a solid reputation around the world for the design and manufacture of rotary joints and precision unions that meet the needs of a wide range of industries.

Now part of Kadant Inc., a leading supplier of equipment and services to the worldwide pulp and paper industry, Kadant Johnson will continue to offer new solutions for customers based on integrated equipment, software, and services that meet emerging fluid-handling needs.

At Kadant Johnson, our goal is to work closely with our customers to develop reliable, efficient, and technically advanced products that add value by improving the process and the quality of the end product. We strive to accomplish this by offering a wide range of technologies, research capabilities, and educational seminars. In addition, we have established a global network of sales and service centres, representatives, and distributors – all with the goal of bringing our products and services closer to our customers.

Our market approach is simple: know our customers, understand their process, and use our specialised expertise to deliver the right solutions.

**MANUFACTURING LOCATIONS**

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Wuxi National Hi-Tech Industrial Development Zone  
Wuxi City, Jiangsu Province, China  
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Products
At Kadant Johnson, we specialise in the design and manufacture of rotary joints and precision unions and in the integration of these products with systems and services. Rotary joints, sometimes referred to as unions, are mechanical seals used on rotating components to convey steam, water, air, coolant, and oils. In addition to rotary joints, Kadant Johnson also supplies auxiliary products, such as vacuum breakers, flexible metal hoses, sight flow indicators, steam and air separators, stationary and rotating syphons, and fluid handling systems.

Industries
Kadant Johnson rotary joints and syphon systems are preferred throughout the papermaking and paper converting industries. Our products are also used in the machine tool, rubber, plastics, textile, and chemical industries, as well as in continuous metal casting, printing, corrugating, and other general industries.

Manufacturing
Kadant Johnson has established a network of manufacturing sites in North America, South America, Europe, and Asia. In every plant, in every country, we emphasize the highest possible quality standards for the design, manufacture, and sale of our products.

At Kadant Johnson, our world revolves around designing and manufacturing rotary joints and unions to meet our customers’ needs.

CorrPro™ rotary joints installed on a single face for the corrugating industry.

C-Cast joints are used to introduce cooling water into and out of rolls on continuous caster machines.
Kadant Johnson rotary joints are mechanical seals that connect rotating cylinders to fixed piping to transport steam, water, oil, and other media into and out of the roll.

**Focus**
At Kadant Johnson, our world revolves around designing and manufacturing rotary joints and precision unions to meet our customers’ needs. And our focus is on improving each element of these unique products. Kadant Johnson is committed to providing each of its customers with the best possible product for the application, at the best possible price, with the fastest possible delivery.

**Materials**
Every day, new materials become available to meet the needs of new applications as well as existing applications. Kadant Johnson is on the leading edge of testing seal rings, counterseals, bearings, and elastomeric seal materials. These efforts allow Kadant Johnson to continuously upgrade the performance of its products and to expand the range of its applications.

**Custom designs**
Kadant Johnson produces thousands of different rotary joint configurations. Many of these configurations can be assembled from standard components to make these unique configurations. Where one of these configurations does not meet the requirements of a specific market or application, Kadant Johnson’s Engineering and Research staff is ready to develop a new product to meet the requirements.
**Mechanical seal expertise**
At the heart of every rotary joint and precision rotary union is a mechanical seal. The mechanical seal provides a leak-free union and long-term reliability. Over the past 70 years, Kadant Johnson has continued to study seal characteristics and materials, and to search for ways to improve this fundamental component of our products.

With a thorough understanding of seal loading, seal wear characteristics, and application requirements, Kadant Johnson can provide rotary joints and precision unions for years of reliable service for a variety of applications.

**Global sales and network**
Many suppliers have made a commitment to the international marketplace. But few have taken that commitment as far as Kadant Johnson. To assure product availability wherever it’s needed, Kadant Johnson joints, precision unions, and related equipment are manufactured in plants around the world, and sold and serviced in nearly 150 countries. Knowledgeable advice and local service are just as important as the products, so no matter where you are, Kadant Johnson products, service, and assistance are nearby.
Research and development
While most suppliers are preparing for the future, Kadant Johnson is creating it.

Kadant Johnson research and development is the force behind the patented technologies and innovative products that we bring to papermaking and to other process industries. A state-of-the-art Research and Development Centre allows customers to duplicate the operating conditions of their own paper drying cylinders in a laboratory environment.

System integration
Today, more than ever, the efficient integration of manufactured products into a functioning system will define the success of a capital project. Kadant Johnson has more than 40 years of experience in the design of steam and condensate systems for the papermaking process. Kadant Johnson’s process knowledge is unsurpassed in the industry. From machine studies to advanced control strategies, Kadant Johnson has the experience and expertise to deliver results.

Single source accountability
To complete the integration of Kadant Johnson products into the process, we offer technical and mechanical services, ranging from training to installation, maintenance, troubleshooting, and turnkey project management. Regional Service Centres allow Kadant Johnson to respond quickly and efficiently to its customer needs.

Kadant Johnson is a global supplier of steam and condensate equipment to the paper industry and leads the industry in drying technology and process knowledge.
**Advanced controls**

Nowhere in the paper industry are there larger opportunities for energy savings, productivity improvements, and quality enhancements than in the dryer section. Kadant Johnson has created the Dryer Management System™ control package specifically to meet this need. This advanced system monitors and controls all aspects of the dryer steam and condensate system. It provides the most stable, repeatable, and efficient system possible from start-up to shut-down, so papermakers can concentrate on making the best product quality, with the highest possible drying capacity.

*Global research and development in Three Rivers, Michigan, USA.*

With its one-of-a-kind JOCO 4000 and JOCO 6000 test dryers, Kadant Johnson can duplicate the operating conditions of almost any commercial paper drying cylinder, and show you the performance of recommended equipment before you make a purchase decision.

*The Kadant Johnson Research Centre allows customers to evaluate new technologies before making a capital investment.*
About Kadant

For more than a century, Kadant subsidiaries have been delivering smart and efficient solutions to process industries. As a global leader in fibre processing, fluid handling, water management, and doctoring systems, we design and manufacture products used in industries ranging from paper to plastics and textiles to tires.

At Kadant, we are proud to offer innovative products and technologies that help reduce energy consumption, improve water management, and enhance efficiencies for long-term sustainability. Kadant brand products and services are sold to industries worldwide through our subsidiaries located in more than 16 countries. Our approach is simple: know our customers, understand their process, and use our specialised expertise to deliver the right solutions.

**Primary markets served**

- Pulp and paper
- Food processing
- Corrugating
- Plastics
- Converting
- Chemical
- Textile
- Pharmaceutical
- Metals
- Energy
- Printing
- Distilleries
- Machine tool
- Mining
- Rubber
- Petroleum