Sealing solutions for the paper industry
A well-trained employee is more skilful and efficient!

Training modules are more specifically dedicated to the selection of sealing solutions for industrial equipments. Oriented towards the implementation and good mounting practices, guarantee of security for your teams and the reliability of your equipment.

Each year many multilingual training, either in our plant or at customer centers are organized on:

- Valves
- Rotary units
- Bolted assemblies

We are an approved training organization.

Solutions tested on your equipment

GROUPE LATTY® invests an average of 5% of its annual turnover in Research and Development for new products and processes. The company has a test laboratory at its factory enabling it to test its products in optimum use conditions, including its clients’ own equipment.

Research is essentially based on the resolution of clients’ problems, which may be:

- to reduce friction loads,
- to use simple, efficient equipment,
- to reduce maintenance time,
- to have innovative products.

For several years, GROUPE LATTY® has invested in its own test laboratories, installed on over 500m², with more than 15 test cells, equipped with precision measurement equipment:

- pressure: from vacuum to 650 bars
- temperature: from -200°C to 650°C with the possibility to carry out thermal shocks
- speed: from 0 to 6000 rpm
- several helium mass spectrometers for leak measurement.

GROUPE LATTY® is a member of the Fluid Sealing Association (FSA) and the European Sealing Association (ESA)
SEALING SOLUTIONS
FOR THE PAPER INDUSTRY

From debarking to winding, all of our ranges are in line with the technical requirements of the paper industries.

The use of quality products ensure you reliability, safety, increase in the service life of your equipment, lower water consumption and lower maintenance costs.

MECHANICAL SEALS
• Technical support to adapt and install our products,
• Adapted friction faces and seals to increase the service life of the products,
• Robustness of friction faces ensures by shrunk mechanical drives,
• Solutions as simple layout, with or without rinsing (flush, quench),
• Double mechanical seals for applications involving chemicals (liquors, acid, etc.),
• Backup mechanical seals to protect the environment,
• Standardisation of pump park for stock rationalisation purposes,
• Auxiliary system for significant water savings,
• Approvals available: ATEX, FDA or EC 1935/2004.

PACKINGS
• Technical support to adapt and install our products,
• Packings made of aramid for abrasive applications,
• Packing with graphite core, increased flexibility and resistance as well as excellent elastic recovery,
• Silicone-free packings in order not to affect paper pulp adherence,
• Impregnation of yarns using our exclusive Filcoat-process which increases the service life of packings,
• FDA- or EC 1935/2004-certified, abrasion-resistant packing dedicated to the food-quality paper industry,
• BAM-certified packing dedicated to oxygen applications with ideal chemical inertness,
• Lower wear and energy consumption due to the very low friction coefficient

GASKETS
• Made of modified, extruded and expanded PTFE for chemical applications, ideal for damaged flange faces,
• Manhole-type gaskets for boilers,
• Very good elastic recovery and very low relaxation,
• Specially dedicated to steam applications,
• Anti-adhesive treatment on both faces,
• Very good resistance to various mechanical, thermal and chemical stresses,
• Compatible with any type of fluids, including corrosive fluids,
• Available as cut gaskets,
• FDA- or EC 1935/2004-certified for food applications
GROUPE LATTY works together with the paper industry to preserve our environment and make its sealing solutions even more reliable. Although the paper industry has reduced its dangerous withdrawals and substance discharges into water over the last decades, water and energy control in the paper process remains a major issue.

With these issues in mind and taking into account the customers’ problems, GROUPE LATTY has developed new sealing solutions which make it possible to have an impact on water and energy savings by controlling and reducing them.

These solutions have a direct impact on consumptions and on the discharge of hazardous substances into water as well as indirectly on maintenance cost or the service life of the equipment, sometimes even eliminating leaks that generate corrosion. The expertise in the use of LATTY’s sealing solutions make you save on energies (water, electricity, etc.) as well as on operating costs.

**MANUFACTURING PROCESS**

RAW WOOD → **Chopping**
- Grinders, refiners, agitators, pulpers, deflakers, scrubbers, etc.

RAW WOOD → **Cooking, washing**
- Boilers, pumps, agitators, impregnators, digesters, deflakers, scrubbers, etc.

RAW WOOD → **Bleaching of the pulp**
- Mixers, reactors, diffusers, pumps, scrubbers, pipes, etc.

RECYCLED PAPER → **Mixers**
- Pulpers, mixing tanks with agitation, pumps, etc.

RECYCLED PAPER → **De-inking**
- Pulpers, pumps, scrubbers, pipes, etc.

RECYCLED PAPER → **Pulping processes**
- Pumps, agitators, mixers, refiners, dryers, etc.

**SEALING SOLUTIONS**

All the sealing solutions by GROUPE LATTY are present all along the pulping processes, whether from raw wood or from recycled paper.

- Rotary union for application with steam chest, dryer cylinder
- Tank-bottom agitation on pulper with PECODY
- Mixing tank with lateral agitation
- Auxiliary system (LATTY Ser Flow Meter or Thermostyphon) for lower water consumption
GROUPE LATTY SERVICE

GROUPE LATTY’s reputation is based on adherence to very strict quality rules that guarantee the reproducibility and safety of its products. Our products are essential to ensuring the sealing efficiency of industrial processes.

The quality of the raw materials used and their longevity mean that our customers can:
- extend the life of their production systems,
- reduce their maintenance costs,
- ensure security and protect the environment.
- protect the environment, in particular by means of substantial water savings.

**DESIGN AND TESTING**

Our technicians and engineers collaborate with customers in the early stages of a project in order to define specifications. Where necessary, on-site visits are carried out in order to better understand and take into account the project’s specificities and to consider all possible options.

In the design phase, our mechanical seals are systematically modelled using CAD/CAM software in order to simulate their behaviour in operation.

**PRODUCTION**

Manufactured on our production site in Brou (France), each product is unique due to its design and production even when manufactured in series in compliance with specific procedures and with our ISO 9001 qualification. In this way, we constantly improve our products to be as close as possible to the equipment manufacturers' requirements.

**INTERVENTIONS ON CUSTOMER’S SITE AND SUPPORT**

In the case of on-site interventions, we will accompany you in the assessment of the equipment with a replacement recommendation if necessary, the maintenance (both preventive and curative), the training during the installation phase, service contracts and project monitoring. Our qualified technical teams ensure and check the quality of the equipment and sealing assemblies. They can be present during starting-up operations and document the measures and actions to be implemented to optimise operation and reduce intervention time.

**REPAIRS**

Our network of service and repair centres allows us to rapidly recondition any of your standard or specific mechanical seals. With our expertise, we can help you adapt your equipment to the latest technological and environmental developments.

**TRAINING**

Our training modules are dedicated to the selection of sealing solutions. The focus of our training modules is on the implementation and best practice in assembly, a guarantee of safety for your personnel and equipment reliability. Every year, we organise a number of training sessions at our production site or on the customer’s premises. We are registered as a training organisation.
Our different ranges of mechanical seals comply with the following certifications, directives and standards:

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