

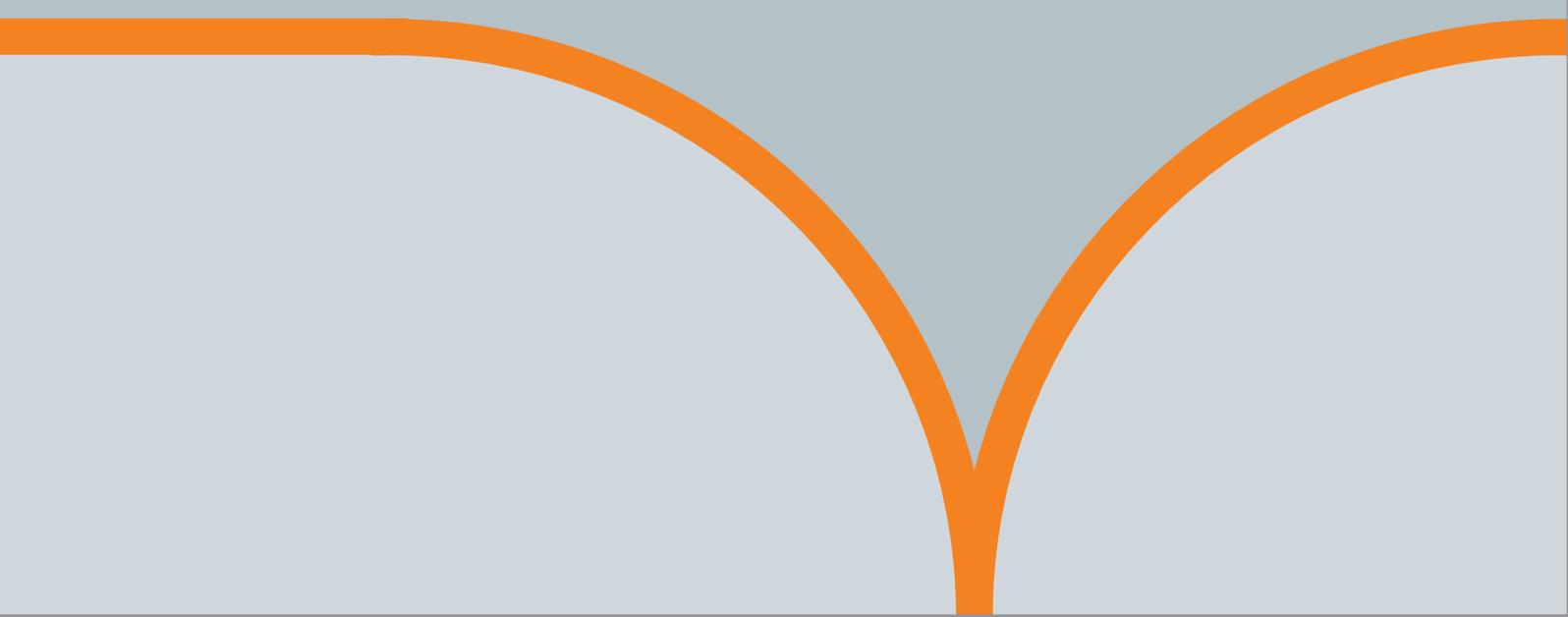


service

revamping - upgrade



your needs **our innovations**



revamping and upgrade

-  TECHNICAL SURVEYS IN PAPER MILLS
-  STUDY, ENGINEERING AND DESIGN
-  SAFETY CERTIFICATION (CE OR OTHER STANDARDS)
-  CONSTRUCTION OF MECHANICAL PARTS
-  ELECTRICAL, PNEUMATIC AND HYDRAULIC SYSTEMS
-  ON-SITE SERVICE
-  MOTORS, DRIVES AND AUTOMATIONS
-  MACHINE EFFICIENCIES
-  INSTALLATION, START-UP, TRAINING
-  ALIGNMENT SERVICE
-  ROLL SERVICE



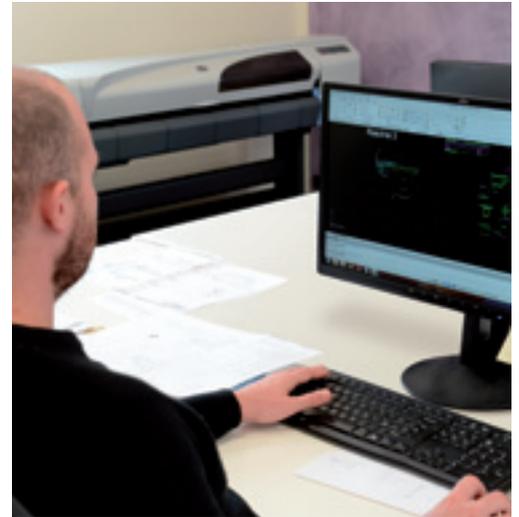
Tecno Paper Srl is mainly focused on winding systems technology. The core business of the company is the production of brand new and the rebuilding of winders for Tissue, Kraft, Coreboard and special applications, as well as pope reels, calanders and paper machine parts.

The competitive advantage of the company, making it one of the most dynamic in the paper industry, is the flexibility and optimization of its products and solutions.

Tecno Paper is more than a manufacturer of Winders, pope reels and paper machine parts: it's a company that has a customer oriented philosophy, in terms of always delivering tailored solutions, according to each customer's specific production requirements.

Tecno Paper's ability to deliver customized projects and innovative winding technology products, is a result of ongoing R&D, design and study of solutions, combined with the attitude of approaching the customer in a way to understand his product particularity and real needs.

The highly skilled and vastly experienced technical staff of **Tecno Paper** can undertake the responsibility to offer to its customers, a unique product and a complete range of after sale service.





TECHNICAL SURVEYS IN PAPER MILLS

Thanks to a staff of technicians and designers specialised in a wide variety of technologies, we are able to make our technological and professional know-how available for offering competent and effective consultancy for the modernising and automation of the paper winding and rewinding lines, or simply for upgrading the machinery to the current safety standards.



STUDY, ENGINEERING AND DESIGN

Painstaking attention is always paid to the use of technologies and materials that make it possible to improve the work conditions right from the preliminary study of each reconstruction and modernisation, also enabling significant enhancement for the final users. Participation with one's own resources and technologies in that ongoing process of creation and innovation is the basis for technological development that adds value to all our design solutions.



SAFETY CERTIFICATION (CE OR OTHER STANDARDS)

We support our customers with a detailed and comprehensive evaluation of the existing machinery that allows for determining the most appropriate safety measures, while at the same time ensuring the operating requirements necessary for use and defining safe work methods, not only for operating in the strict sense of the word, but also for all those activities required for proper functioning, such as maintenance, equipping and cleaning. The objective is to provide the customer with everything necessary for guaranteeing the safety of the systems and the operators, not only in compliance with the standard requirements, but also by balancing them with a dedicated technical/operational assessment.



CONSTRUCTION OF MECHANICAL PARTS

We are able to produce and supply a series of new mechanical precision components for pre-existing paper and tissue producing lines, both heavy and small-sized, while adopting all the measures necessary for ensuring efficient, reliable processing that also complies with the application purposes. Each component can be made to the customer's design or to a sample taken from the paper mill, otherwise we can even make the construction design ourselves based on specific technical surveys.



ELECTRICAL, PNEUMATIC AND HYDRAULIC SYSTEMS

Our revamping solutions include the reconstruction of electrical, pneumatic and hydraulic systems existing on board the machinery, guaranteeing perfect integration of the mechanical equipment in movement on the machine with the software. We conduct functional tests, verifications of the correct operation, commissioning and the necessary settings with the paper, all directly in the customer's factory.



ON-SITE SERVICE

Tecnopaper offers companies a wide range of maintenance services designed to achieve all their maintenance objectives. The purpose of the interventions in the paper mill, both scheduled and due to malfunctioning, is to guarantee assistance by our specialised technical staff for restoring and maintaining the efficiency of the existing production lines.





MOTORS, DRIVES AND AUTOMATIONS

In the reconstruction of the machine controls for the winding and rewinding of the paper, not only does **Tecnopaper** provide the components, but it also offers complete operational and automation solutions. The experience acquired and the ongoing progress of our automation and control systems allow us to provide customers with a considerable increase in productivity together with a reduction in energy costs.



MACHINE EFFICIENCIES

The upgrading of the winding and rewinding lines thanks to the replacement of old components with high-tech products is an essential requirement for ensuring the utmost in production performance over time and also guaranteeing higher quality standards. New cutting systems and adequate paper spreading systems are often required, as well as accessories for the introduction and conveying of the sheets of paper along the production line. This all improves the yield of the production lines as well as the operability of the lines themselves by the workers.



INSTALLATION, START-UP, TRAINING

Qualified technicians, possessing all necessary skills, provide assistance in the paper mill by means of project management, installation, commissioning, training and maintenance services, bringing with them our vast expertise and technical know-how accrued thanks to installations carried out all over the world. This not only includes knowledge of our own machinery, but also that of other manufacturers, a key requirement for every revamping activity on pre-existing lines.



ALIGNMENT SERVICE

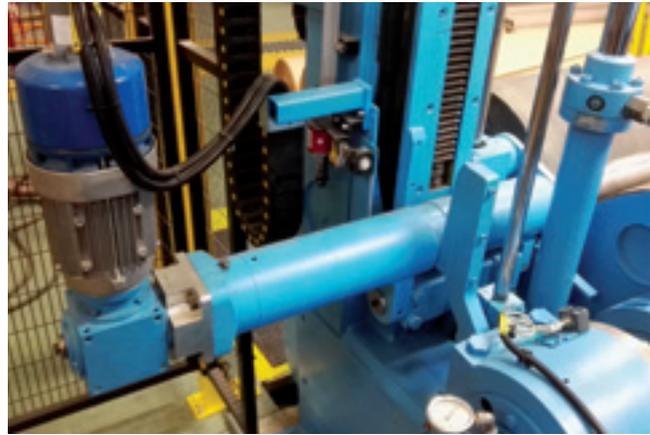
The perfect alignment of the production lines and mechanical transmissions is a fundamental requirement for maintaining high production performance over time and avoiding serious damage to the systems.

For this reason, **Tecnopaper** offers a service for measuring and controlling the alignments via use of laser aligners, high precision optical levelling devices and theodolites, with the issuing of specific reports for the customer that give a clear indication of any non-compliances detected as well as suggestions on what steps to take to resolve the problems.



ROLL SERVICE

An activity widely implemented by **Tecnopaper** is the service offered for repairs and maintenance of the rollers, curved rollers, suction cylinders and presses of the paper mill. The pins are revamped with hot or liquid nitrogen sealing in case of rollers with special coatings and/or external surface treatments, inspections are conducted to verify the absence of cracks, surface inserts are carried out on damaged sites with hot or cold sprayed metallic powders, as well as surface grinding, dynamic balancing with the issuing of a balancing report, and the assembly of bearings and supports. In addition, on request we can also carry out surface coatings and adjustments.



Carrara white marble sculpture of Lorenzo Vignoli



the art of **ideas**

 **tecnopaper**

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