



SINCE 1962  
MANUFACTURER OF HANDLING SYSTEMS  
FOR THE PAPER INDUSTRY

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**HANDLING AND WRAPPING  
FOR PAPER MILLS**

**AUTOMATION SYSTEMS  
FOR PRINTING HOUSES  
OR FOR CONVERTING**

**AUTOMATED WAREHOUSES**



# PULP PREPARATION

## PULPER FEEDING

Sicma can design and manufacture many different layouts for feeding the pulpers in Paper Mills. The handling systems can include the storage of the virgin pulp bales by type in units or as single bales and the automation of the unit destacking into single bales.



**WIRE WINDER**



## AUXILIARY EQUIPMENT

Sicma also supplies auxiliary equipment like automated wire cutting and removal system from the unit, the single pulp bales or the waste paper bales and the conveying system to distribute the furnish recipes to the different pulpers.



**PULPER REJECT PRESSES**



**ROLL SPLITTING LINES**

Sicma can supply a full range of equipment for every type of pulpers using waste paper baled or loose: starting from heavy-duty slat conveyors which can be equipped with ancillary devices (weighing systems, roll splitters, etc...) up to automatic wire cutting and removal systems.



# PAPER MACHINE AND WINDER

## HANDLING AND STORAGE SYSTEMS FOR PM ROLLS (JUMBO ROLLS)

Sicma designs and manufactures automated handling and storage systems for PM Rolls (Jumbo Rolls).

A typical application includes the supply of trucks moving on rails.

The storage systems can also be manual or fully automated.

Sicma has supplied and installed systems able to automatically store and handle PM rolls with spools weighing up to 145 tons each.



## EXPANDABLE SHAFTS AND BOARD CORE HANDLING SYSTEMS



## HANDLING AND CUTTING OF THE BOARD CORES

The equipment is designed into meet the specific customer needs and the solutions include the whole range of systems typically necessary in Paper Mills.





# PAPER ROLLS HANDLING

Sicma can develop many different solutions for handling and managing systems of rolls in the Paper Industry, designing tailor-made systems based on the particular requirements of the Mill and the production areas, including loading and downloading, from the Winders to the Wrapping machines.





# ROLL WRAPPING



The protection of the paper rolls can be done with axial or radial stretchfilm wrapping or with kraft paper in accordance with the newest and most common applications: full web type (different width kraft paper rolls on dedicated unwinding stands), stripes or spiral wrapping by means of travelling trolley with unwinding stand on board; special solutions in accordance with a particular customer's needs for example, by means of stretchfilm and external board disk, stretchfilm and external foldable board disk applied with tape, kraft paper and external foldable board disks applied with tape.



All equipment is designed to the specific requirements of the paper rolls to be wrapped: tissue paper, writing and printing paper, board paper for corrugating or for wrapping, special papers.



The line can be completed with all the ancillary devices eventually requested: PC for production management and supervision, weighing systems, labels and bar code readers, printers and labels application systems, ink jet markers, internal and external disks automatic insertion by means of robots and strapping systems.





# PALLET HANDLING SYSTEMS



Sicma can deliver specific solutions for palletizing, pallet handling and wrapping based on particular customer's requirements. The traditional lines include roller or slat conveyors as well as all the special equipment and devices needed to fulfill the customer's needs.



# AUTOMATION SYSTEMS FOR PRINTING HOUSE OR FOR CONVERTING



Sicma can supply all the systems typically necessary in the Printing Plants for packaging, daily news/paper and special applications. The product line includes the automation of the roll loading/unloading operations from the Rotary Presses, Printing Machines and Winders.





# AUTOMATED WAREHOUSES

Sicma has developed different technologies to manage the storage of products in the Mills based on each specific requirement, in particular with reference to: paper rolls, printing cylinders, pallets.



Depending on the kind of product and the type of loading unit to be stored, Sicma offers custom designed handling systems (slat, rollers or chain conveyors, travelling shuttles, cranes). The supply of the storage facility is complete with all control systems.





SICMA S.p.A. is a mechanical manufacturing company with a significant, well-established history, in the market for over 50 years. In the beginning we developed handling systems for logs and chips for the production of wooden panels and over the decades we have concentrated our activities in the Paper and Printing Industry, becoming a benchmark in this field with a strong presence in the world's most important Paper and Printing Groups.

The main production plant consists of approximately 12,000 square metres of covered area and 32,000 square metres in total area which is structured in order to encompass all the phases to develop a new project from preliminary studies to after sales service.

Each piece of equipment is completely manufactured and tested within Sicma.



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