

INTEGRATED LOGISTICS AND AUTOMATIC STORING SYSTEM
FOR PAPER-LABELS-TISSUE-NON WOVEN-PLASTIC FILM

DimaSimma

AGV vehicle for reels transport



Application in paper field for mother reels.
Handling solution for reels up to 10 tons



AUTOMATIC WAREHOUSES AND AGV FOR
STORING AND HANDLING OF PALLET, ROLLS AND REELS

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As well as the flow material is customer-tailored, also the **basic Dimasimma software is adapted to the specific customer requirements** and prepared to dialogue with the customer host.

The warehouse management system, beside enabling the always updated inventory and the full traceability, provides important data for the stocks management.

DETAILS OF SPECIAL FORKS FOR SMOOTH
HANDLING OF SENSITIVE PAPER

Handling of paper rolls with following dimensions:

- Diameter: mm 400 up to 1.500.
- Length: mm 600 up to 1.500.



Rolls placed horizontally on a support

Cameras can be installed on board of the AGV vehicles or of the s/r machine for **watching the roll paper status** inside the shelving or for other purposes.

Store the paper roll as you wish!

The paper roll can be placed according to the paper characteristics or simply according to the customer habits. Examples:



Hanged rolls



8d



Rolls placed vertically on a pallet

DimaSimma

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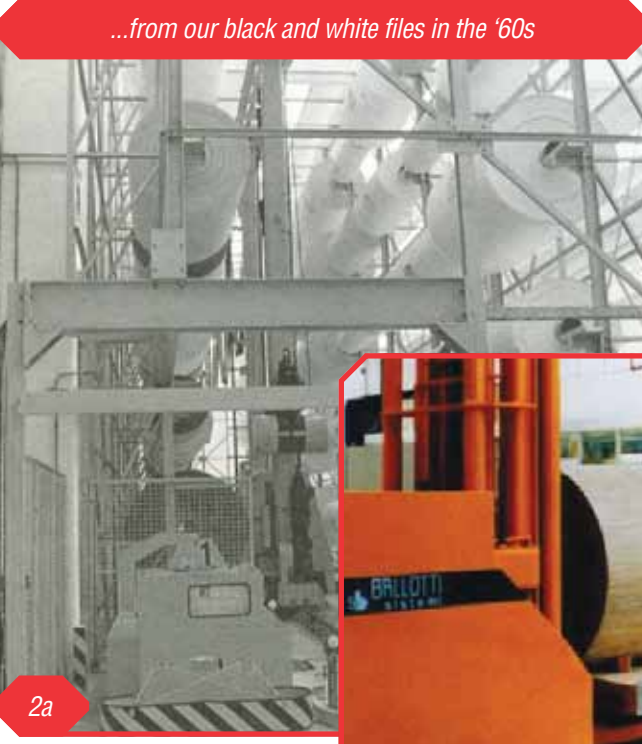
AUTOMATIC WAREHOUSES AND
AGV FOR STORING AND HANDLING
OF PAPER, LABELS, TISSUE,
NON-WOVEN AND PLASTIC FILM

DimaSimma

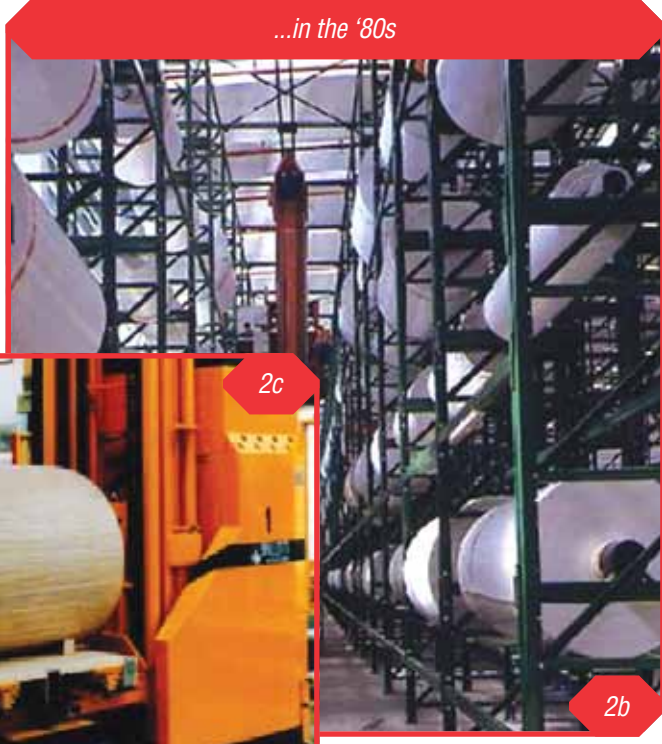
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45 years experience in logistics

Since the end of the 60's DimaSimma is projecting and manufacturing automatic storing systems for several industrial activities. Since then DimaSimma has been continuously developing and innovating in the automation of industrial processes. In cooperation with his Customers, DimaSimma elaborates fully automatic customer-tailored solution.



...from our black and white files in the '60s



...in the '80s



...in the '60s



...2010

AUTOMATIC WAREHOUSES AND AGV FOR
STORING AND HANDLING OF PALLET, ROLLS AND REELS

3a



Our motto is:

"We project and supply not only automatic warehouses or vehicles, but first of all systems that, interfaced with the process equipment **form a global solution integrated in the production**"

In facts, interfaced with the production area, surface treatment, cutting and delivery, the warehouse turns out into a «**tool machine**».

Automatic warehouse specifically studied for paper rolls.

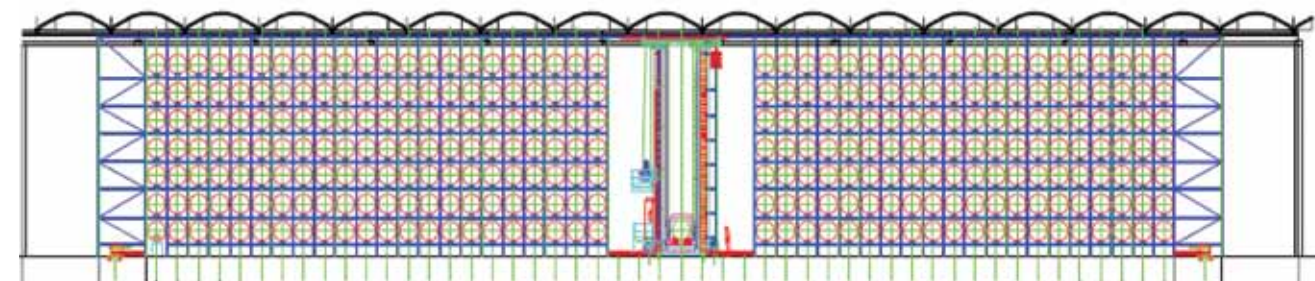
The S/R machine automatically places and retrieves the paper rolls into / from the shelving in double and triple depth.

Advantages:

- Maximization of space by seizing the height.
- Higher productivity by less labour.
- Maximization of time, thanks to the quick access to the material.
- Safety for the workers • Very smooth handling of the product, especially important for sensitive paper.
- Full traceability of the product.
- Continuous updating of the inventory, also for paper rolls returning to the warehouse after a partial use of the same.

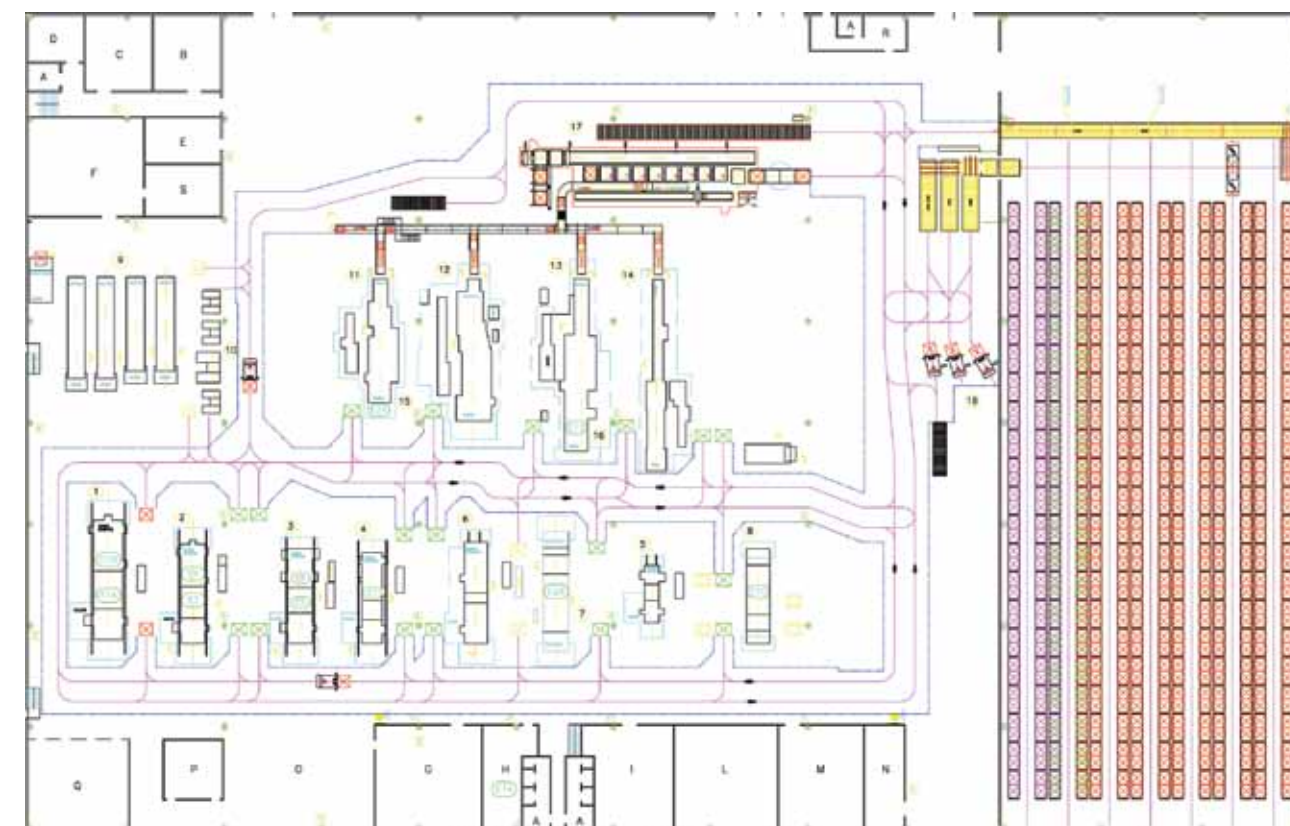


3b



4a

Paper rolls stored in double and triple depth for volume maximization



4b

Example of logistic system integrated with process machineries (converting, printing, cutting and so on). The integrated warehouse isn't just a deposit, it becomes an active part of the production process. DimaSimma carries out the engineering study, deeply analyzing the actual needs as well as the future perspective, and submit a Customer-tailored solution. Automation can be implemented step by step: we grow together with our Customers.



4c

Integration

Our aim is the integration at any level: our AGV vehicles can interface either with static shelving or with automatic warehouse of our production or of any brand. Our automatic warehouses can interface either with man-driven forklift or with AGV of our production or of any brand. By the integration with the process machine, the warehousing system becomes an active part of the production.

5a



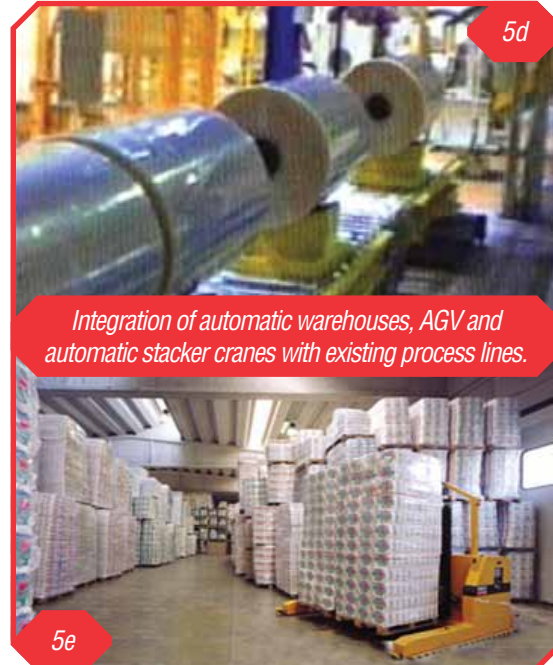
Example of integration between automatic warehouse and AGV.

5b



5c

5d



Integration of automatic warehouses, AGV and automatic stacker cranes with existing process lines.

5e

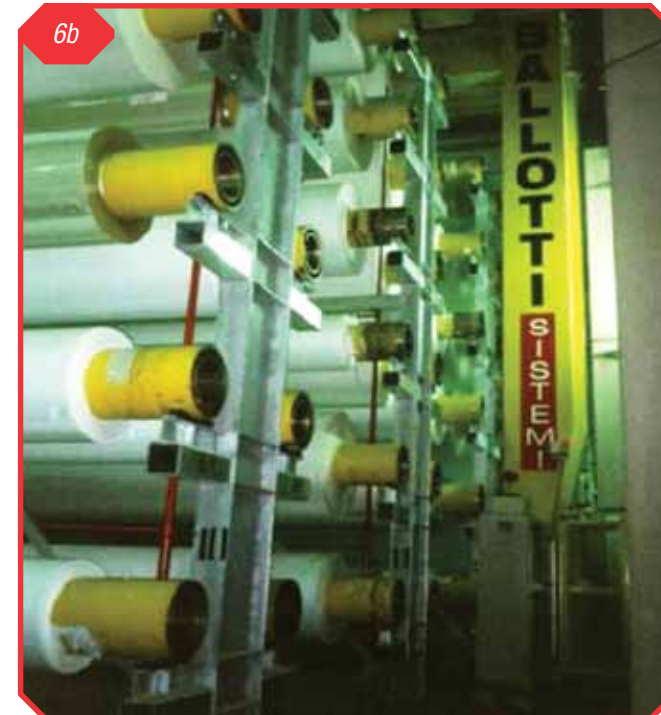
AGV for transport and storage of pallet

6a



Handling of different types of papers and plastic rolls

6b



6c

