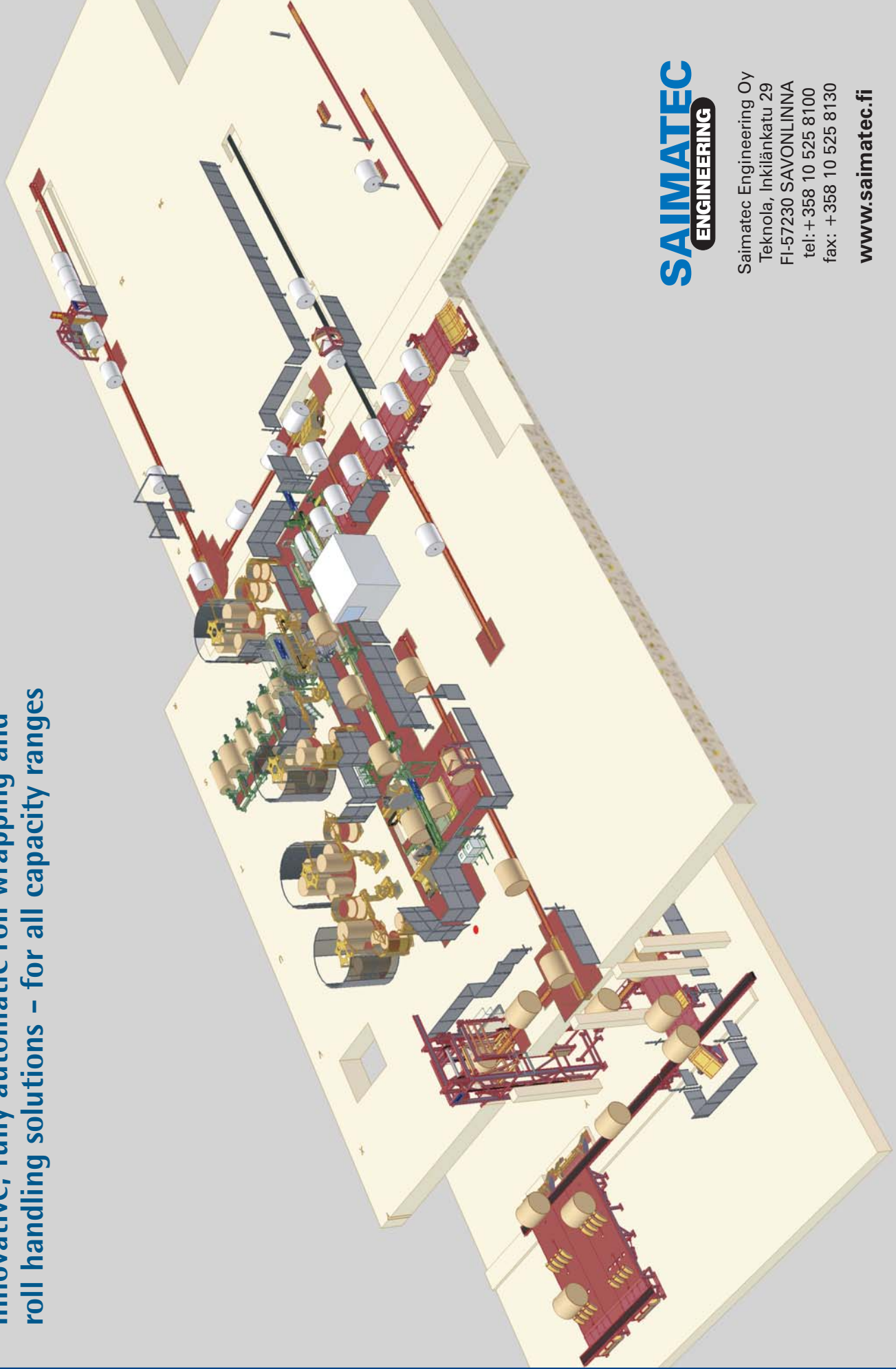


Innovative, fully automatic roll wrapping and roll handling solutions – for all capacity ranges



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**SAIMATEC**  
ENGINEERING

Top Quality Wrapping with Top Productivity



RoboWrap™

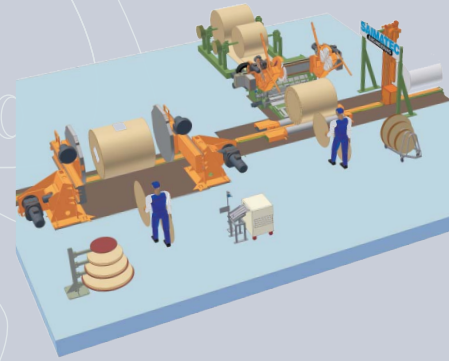
# Maximum return out of your production line – RoboWrap™

## Single



**RoboWrap Single** concept makes full automation of smaller scale wrapping systems affordable. It uses an ingenious combination of a single robot and a manipulator for handling of both inner and outer heads. In addition to the low investment cost, operation of RoboWrap Single becomes very economical, as it does not need a dedicated operator. Operational safety is another key benefit of full automatic operation.

## Light



**RoboWrap Light** uses a limited set of wrapper widths for optimal wrapping of smaller rolls, but enabling also wrapping of bigger rolls in Optima style. This is a compact wrapping system for medium capacity range. Basic version operates with manual inner and outer head insertion, providing optimal combination of solid wrapping capacity with cost-efficient machinery. Automatic inner and outer head handling is also available as an option, limiting operator's tasks to refilling materials and housekeeping when needed, and relieving him for other tasks as well.

## Standard



**RoboWrap Standard** is the proven performer for a high-output paper mill looking for a reliable automatic wrapping solution. The system is operated with one operator and designed in a robust way resulting in low maintenance cost despite high production figures. RoboWrap Standard is available in two layout alternatives, either with indexing wagon conveyor or slat conveyor. RoboWrap Standard uses heavy-duty industrial robots for automatic inner and outer head handling, designed for years of continuous operation.

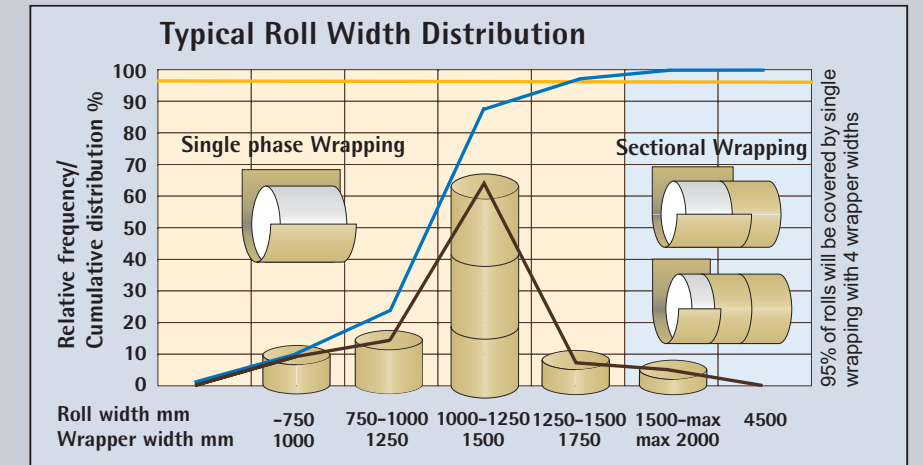
## Twin



**RoboWrap Twin** is the flagship of the RoboWrap fleet, especially designed for the most demanding capacity and uptime requirements in the paper mills. All wrapping materials and consumables are filled on-the-fly, and maintenance of the system is carried out in minimal shutdowns. Double robots for inner and outer head handling provide continuous operation even in the case that one robot requires maintenance, which ensures maximum capacity constantly. With highest level of automation, all this is operated by one operator. RoboWrap Twin holds **the world record** of wrapping capacity, 4000 rolls per day.

## Optima or Classic wrapping method

All RoboWrap systems are available for both Optima and Classic wrapping styles. Classic style uses single wrapping with a number of different wrapper widths covering all roll widths. **The patented Optima system** combines the benefits of single wrapping for the majority of rolls, and overlap wrapping for bigger rolls.



## Tailor-made performance – for modernization and upgrade projects as well

All Saimatec wraplines are tailored for each customer's specific needs. Standard equipment modules with modifications can easily be used in many types of modernization and upgrade projects, too. This way we can help mills with very specific or limited needs when it comes to optimizing the operation of existing wrapping and roll handling systems.

## Semi-automatic CombiWrap systems

For mills not preferring full automation, the CombiWrap range of semi-automatic wraplines is a proven solution. In a semi-automatic system wrapping sequence itself operates automatically, just like in the RoboWrap system. Placing of inner and outer heads as well as shipping labels is operator's task. In cases where the production figures are not that high, CombiWrap system is the economical solution with ease of operation. Jumbo rolls up to 5000 mm in width and 10 tons in weight are wrapped with CombiWrap Optima System.

## Winning technology for all capacities (rolls/hour)

30 – 60 rph	60 – 100 rph	100 – 150 rph	150 – 200 rph
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## Seamless combination of roll wrapping and roll handling

Saimatec wrapline is completed with our complete range of roll handling equipment to a fully functional roll finishing system. Saimatec's complete delivery includes all roll handling operations from winders through wrapping line to warehouse. Standard roll handling components such as slat conveyors, turning conveyors and turntables, stoppers and receivers, vertical conveyors, upenders, sorting ramps and storage conveyors are

accompanied with customised models for special purposes, for example when space usage is critical. All controls with roll data management and roll tracking functions are included in Saimatec's delivery, and controls are carefully integrated with roll wrapping functions. This comprehensive approach provides ease of operation and maintenance, yielding low operating cost and best return for investment.

