

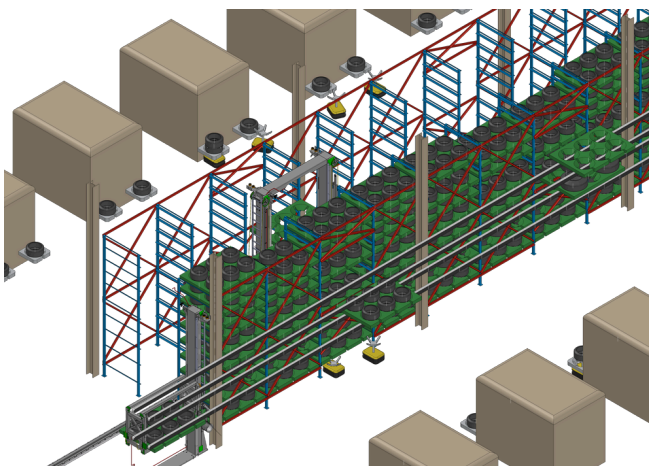
INTRALOGISTICS IN THE TIRE INDUSTRY

Complete automation for tire production: From raw materials to final shipment

To optimize production, reduce costs, and maximize efficiency, our intralogistics automation technology is the key to revolutionizing the tire industry. From material reception to the distribution of the final product, we implement smart solutions that ensure a continuous flow, maximum precision, and total control at every stage of the process.

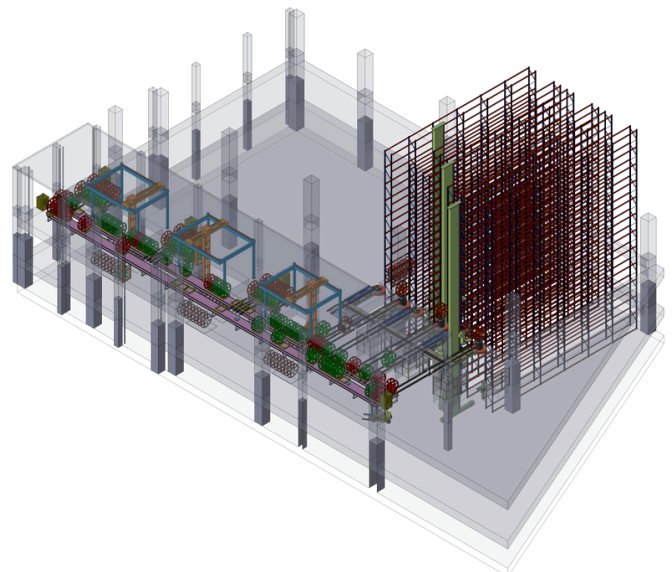
Tire manufacturing is a highly complex process that requires advanced technology to maintain competitiveness. Our automation solutions maximize efficiency at every stage of the process.

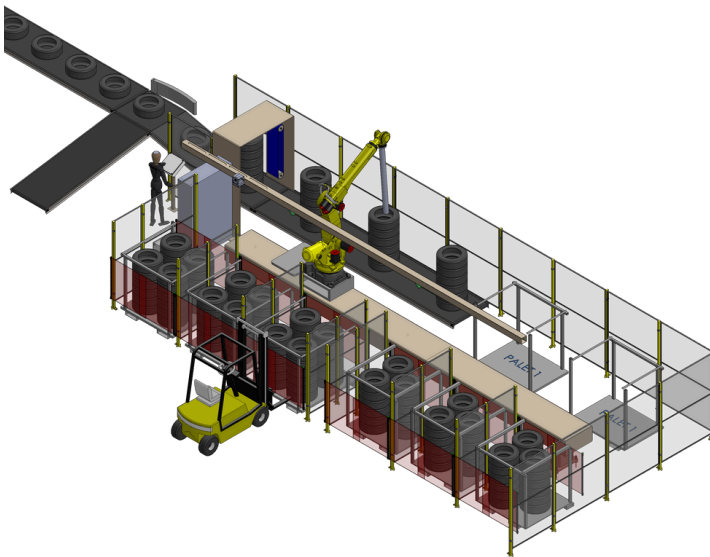
We offer advanced intralogistics automation solutions that optimize material flow, ensuring efficiency and control at every stage of tire production.



- Automated storage retrieval systems (AS/RS): Ensuring efficient material management by maximizing space utilization and minimizing waste.
- AGVs and AMRs: Autonomous vehicles for in-plant material transport, enhancing mobility and eliminating manual intervention.

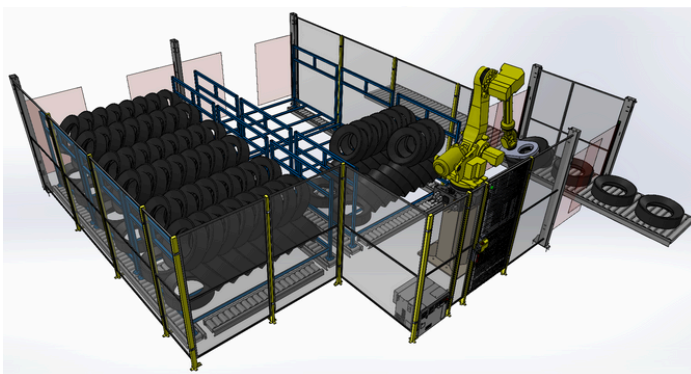
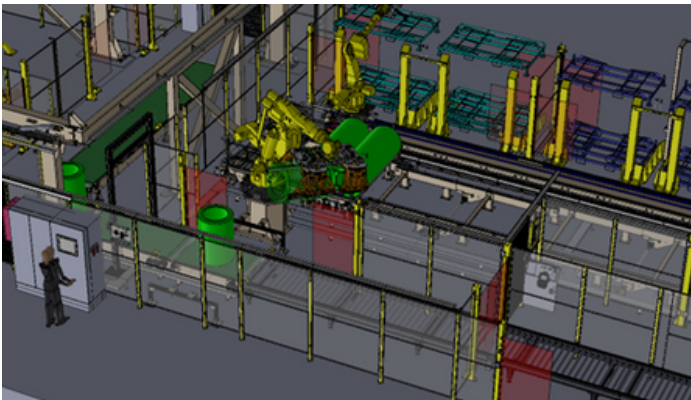
- Conveyors and smart conveyor belts: To move materials between different work areas, ensuring a continuous flow without interruptions.
- Handling and assembly robots: For cutting, molding, assembling, and precisely positioning tire components, reducing downtime and increasing process consistency.





- Artificial vision systems: Implemented for real-time inspection of component quality, ensuring precision and reducing defects.
- Automated loading and unloading systems: For feeding and extracting products from vulcanization presses, enhancing efficiency in processes that require extreme conditions.

- Measurement and testing robots: To verify the uniformity, balance, and durability of products, ensuring consistent quality control and reducing defective products.
- Palletizing robots: For transporting finished tires and automatically preparing orders, optimizing distribution and reducing logistical costs.



These solutions are designed to transform tire manufacturing, enhancing precision, reducing operational costs, and ensuring faster production and distribution.

