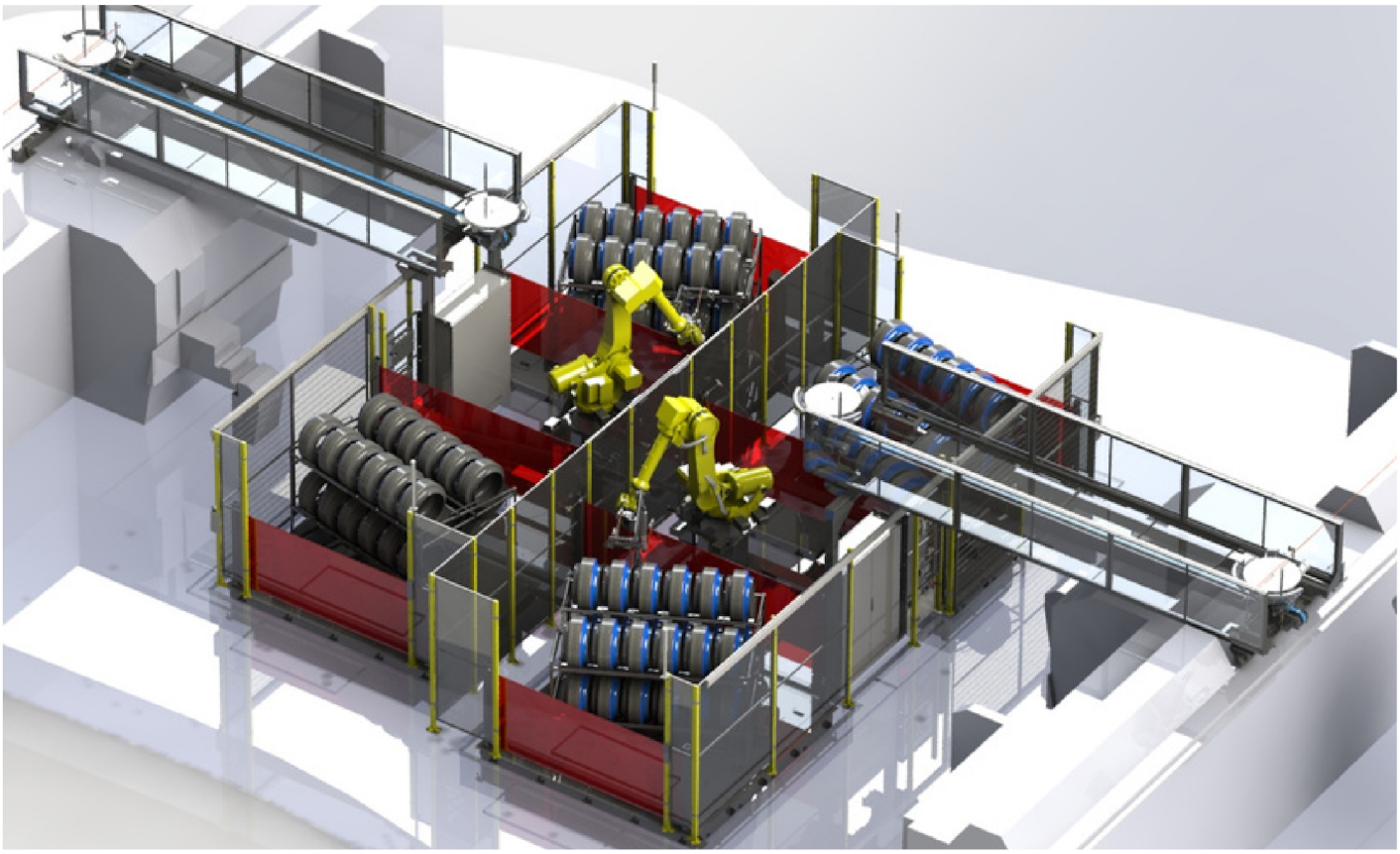
Green Tire Automatic Handling

Manipulate the GT from horizontal to vertical position

More than 20 years of experience working with companies in the tire sector, which has made us the best option for industrial engineering.
We have several **patented solutions** that put us at the forefront of innovation within the sector.

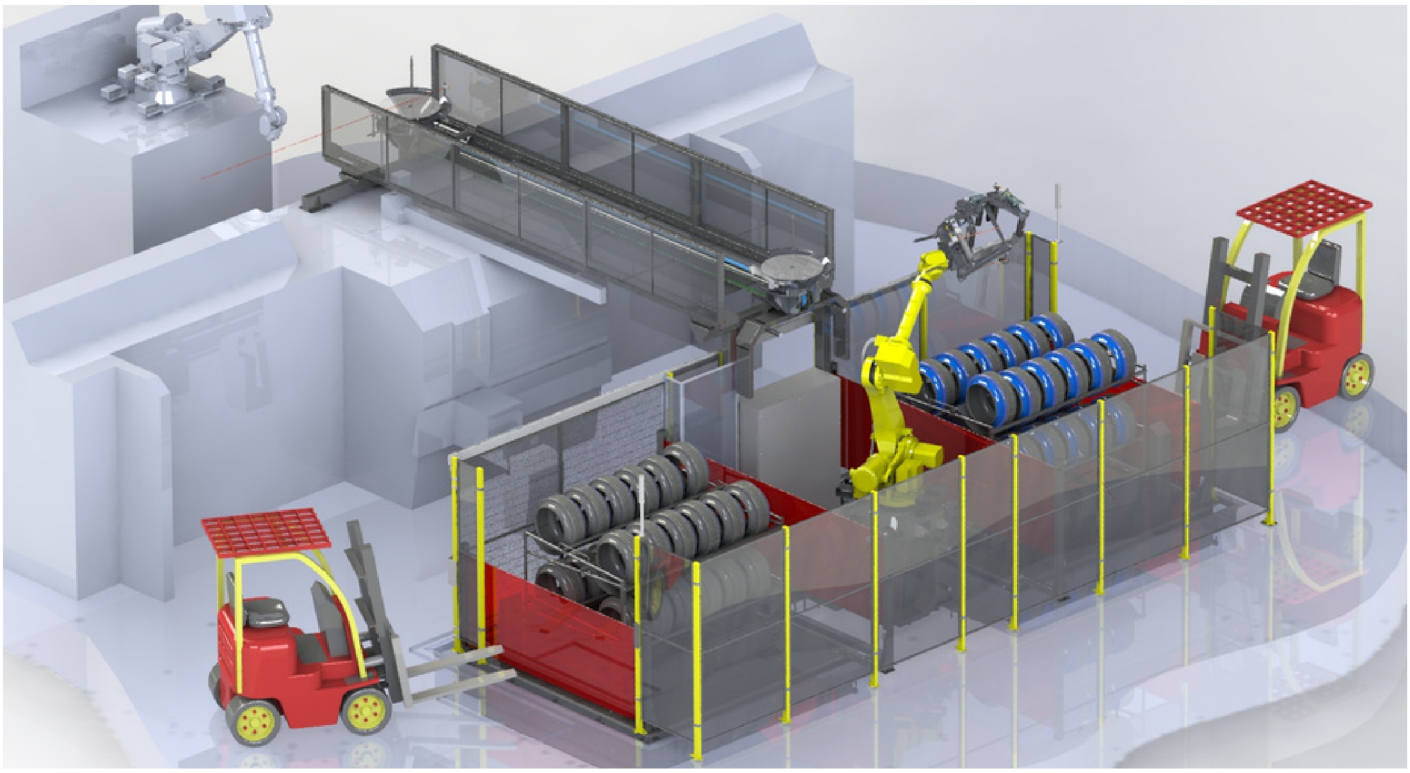
This solution manipulate the green tire from horizontal position to **vertical** position and vice versa.

One of the applications of this solution is the unloading of green tire from construction machines and their loading into conveyors.



The system consists of a green tire conveyor in a horizontal position to the robot's work area and a set of two rotating tables on which the carts are positioned for the unloading of green tire.

In this other application, the system manipulates green tire from the fixture in transport system to storage carts in vertical position.



Available configuration:

- Different feeding systems: Conveyors, carts...
- Robot: FANUC, ABB, KUKA, YASKAWA...
- Controls: Allen-Bradley, Siemens
- Software: Technology 4.0, teleservice, configurable robot position, MNI 12´.
- Different unloading systems: tables, carts...
- Safetyfences with scanner and photo-barriers around the machine.

The robot can manage the trolleys from when they are empty until they are fully filled. To detect closed or open trays, external sensors have been installed to the robot, which measures the distance to the last closed tray.

The system comes with a perimentral security fence, safety light curtains and prescanner detection in the loading and unloading truck area.