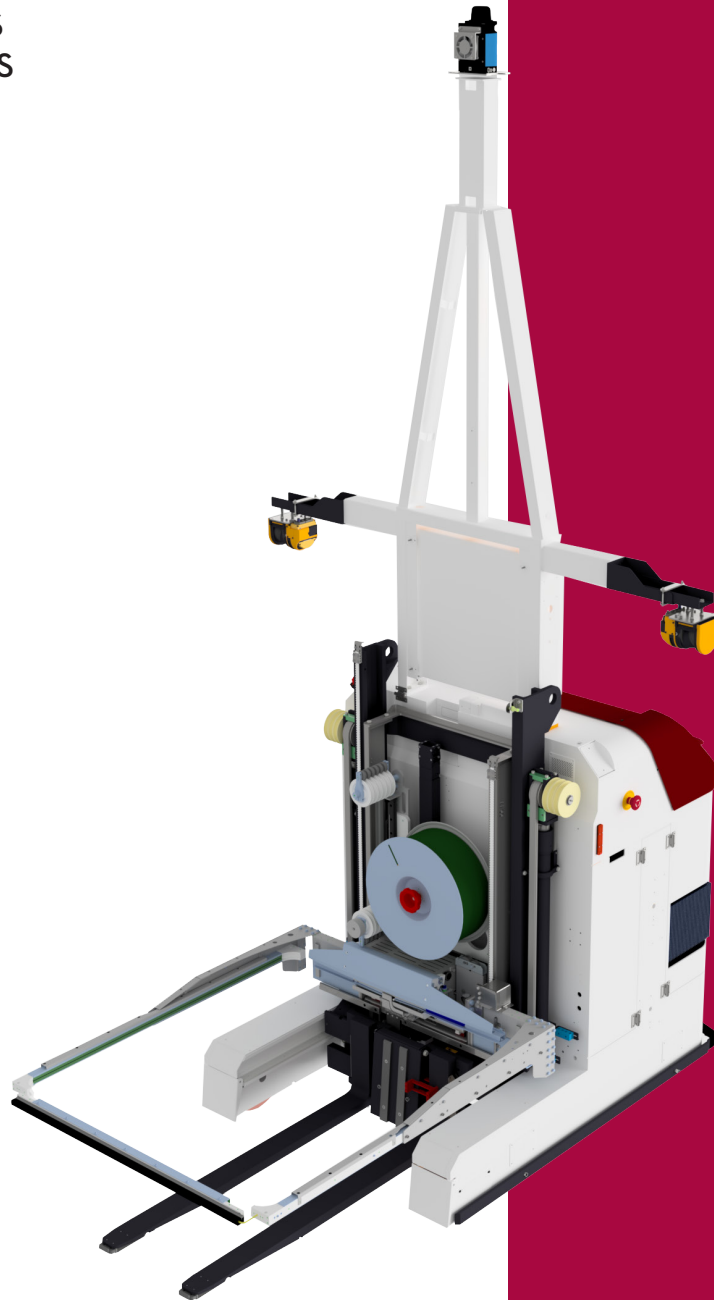


# TGV RETRACTABLE

AUTOMATIC VEHICLES  
WITH STRAIGHT FORKS



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TecnoFerrari TGV Retractable vehicles are battery-powered shuttles capable of moving automatically with a laser or magnetic guidance system adaptable to every plant requirement and product type, customisable on request. The retractable technology makes it possible to pick up and deposit cantilevered loads, allowing maximum flexibility. After picking up/depositing the load, the fork unit retracts within the centre of gravity of the vehicle, avoiding counterweight and ensuring compactness. It can be integrated with an on-board automatic strapping unit to reduce manual strapping operations within the palletiser, safely increasing the efficiency of the end-of-line system. The vehicle applies one or more straps inside the palletiser before lifting the load, this ensures complete stability of the packages both in the parking area and on the finishing rollers. Recharging can take place automatically in a battery charging station, in which case the TGV dedicates the waiting time to self-recharging the batteries, or through an automatic battery change. The vehicles are equipped with reliable active and passive safety systems to continuously monitor the surrounding space and avoid any accidental collisions. The safety features include proximity laser scanner, mechanical bumpers, side strips, horns and flashing beacons.

## ADVANTAGES

- Increased end-of-line performance
- Reduction in the number of manual interventions
- Maximum degree of safety for operators
- Versatility of the system and limited track extension work
- Process control and optimisation of the production cycle
- Optional: strapping unit



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