

# AUTOMOTIVE



The Automotive industry has always been a pioneer in automation. Facing a decrease in traditional car markets, and an increase in electric and “greener” vehicle sales, the automotive industry needs to find new ways to reinvent its production model. The emerging monthly rental market pushes this industry towards a higher level of automation and integration to leverage cost and cars maintainability.

BALYO has developed a large portfolio of robots and services to match this increasing need. From supply and removal to/from the production chain , such as stamping and forming chains, dock loading/unloading, to storage of spare parts, assembly lines (body shop, paint shop, Integration of WMS, KPIs.). Automation must serve a strict production process where speed to market, just-in-time and cost management are the key factors of success.

## INDUSTRY TRENDS

- Highly flexible solutions without additional infrastructure
- Data driven production with full integration
- Increased operator safety
- Supply chain digitalization: Improved quality, overall equipment effectiveness, speed and reliability
- Reassignment of labor to optimize tasks, supported by new technologies
- Adaptable production tools

## WHY ROBOTICS ?

1

**Safety :** Secure  
Operations

2

**Profitability :** Decrease  
in labor costs

3

**Quality :** Less  
damages



## HOW BALYO WORKS IN AUTOMOTIVE INDUSTRY ?

An example of a typical application flow in automotive industry would be :

- Driven by BALYO Stacker carrying materials from foundry to a quality control area.
- Driven by BALYO also deploys tugger trucks to transfer materials from stamping to say, a cutting area.
- In a mounting chain line, driven by BALYO pallet trucks are used to move pallets from inbound areas to other shops (Example: Welding).

## BALYO ADVANTAGES

- Complete solution for production/distribution/storage applications
- 24/7 usage and maximum system availability
- Operational flexibility
- Adaptive navigation technology
- Large load type diversity
- Broad Robot Portfolio
- Service network partnership with leading material handling suppliers
- Trigger missions by WMS/ ERP
- Interfacing with client's environment
- Increasing productivity and throughput

## BALYO AUTOMOTIVE INSTALLATIONS

86

Robots Worldwide

4

Customers

8

Sites