

MANUFACTURING



Manufacturers are increasingly leveraging the Internet of Things (IoT), which entails the interconnection of devices / robots within an existing infrastructure, to achieve a variety of goals including cost reduction, continuous improvement, increased efficiency, improved safety, meeting compliance requirements, and product innovation.

Savvy manufacturers create a competitive advantage by adopting new technologies and logistics methods to achieve maximum efficiency. Engaging robots in plant activities, manufacturing companies today are not only saving time, but also are able to optimize the labor force into doing more effective and high value tasks by retraining the existing operators in manufacturing processes and thereby increasing production capacity (by upto 15%). Robots today can not only perform these tasks effectively, but also learn over time. Automation today must serve as a strict tool in production processes, where just-in-time and cost management are key factors for success.

BALYO has developed a broad portfolio of robots and services to accommodate the growing needs of the manufacturing industry. From transportation of goods through different manufacturing processes, to storing and retrieving raw materials or finished goods, BALYO robots are capable of increasing productivity and create additional value.

INDUSTRY TRENDS

- Optimization of labor force
- Handle diverse SKUs
- Leveraging new automation practices to reduce operating costs
- Highly flexible and customizable solution for fast changing environments
- Reassigning labor force to higher value added tasks
- Increased goods safety and traceability

WHY ROBOTICS?

1

Competitive Advantage :
Industries embracing
factory 4.0 to stay ahead

2

Increasing Productivity :
Optimize workforce for value
driven tasks

3

Safer Operations :
Significantly lesser
damages during load transfers



HOW BALYO WORKS IN MANUFACTURING INDUSTRY?

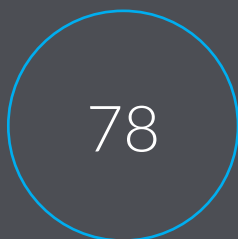
An example of a typical application flow in manufacturing industry would be :

- A Driven by BALYO robotic stacker can be used for line scanning to analyze and select the correct pick and drop positions.
- A Driven by BALYO robotic stacker can also be used to transfer pallets from conveyors to either racks or to a storage area.
- In addition, a Driven by BALYO VNA or Reach Truck can be used to store and retrieve pallets from narrow aisles up to a height of 11m.

BALYO ADVANTAGES

- Complete solution for production/distribution/storage applications
- 24/7 usage and maximum system availability
- Operational flexibility
- Adaptive infrastructure-free 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

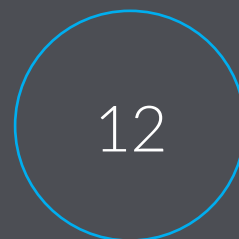
BALYO INSTALLATIONS IN MANUFACTURING INDUSTRY



Robots Worldwide



Sites



Countries