



**AUTOMATED  
SYSTEMS**

# A SMART MOVE FOR THE AUTOMOTIVE INDUSTRY

JBT offers a full selection of solutions that are designed to move parts and assemblies around your manufacturing plant. If you can think of a specific material handling need, we have an AGV (or two) that can do the job. Our automotive manufacturing AGVs are often used in applications such as powertrain and manufacturing plants, stamping plants, and assembly plants.

## WHY MOBILE AUTOMATION IS A SMART MOVE:

- **Reduce warehouse labor expenses**—equivalent labor rate of \$4 per hour
- **Increase productivity by 10%-20%** by getting the right materials to the right place at the right time
- **Increase operational efficiency by 20%-50%** by automating repetitive tasks, reducing downtime, and optimizing routing and scheduling

## WHY PARTNERING WITH JBT IS A SMART MOVE:

7,000+ vehicles operating globally—700+ systems with millions of hours of stable operation—40+ years of application knowledge

- **Proven Technology From Industry Pioneers:** Unparalleled industry expertise from over four decades of designing and deploying high-quality, precision-engineered mobile automated systems
- **Solutions Tailored to Your Business:** A diverse range of automation solutions—including vehicles and fleet management software—that can be tailored to meet the automotive industry's unique needs
- **Safety First and Always:** Safety starts with design then continues through implementation and support to protect your company's most valuable asset: your people
- **Exceptional Service Everywhere:** World-class customer support throughout the entire life cycle ensures your system continues to deliver superior results

## Areas of Expertise

- Battery plants
- Stamping plants
- Propulsion plants
- Power train plants
- Assembly plants

## Applications

- Work-in-process (WIP) movement
- Just-in-time delivery
- Assembly line delivery
- Raw materials transport
- Trailer loading/unloading
- Battery cell/module handling



CB2500



**LEARN MORE**

# EXPERIENCE THE POWER OF PERFORMANCE-DRIVEN AUTOMATION

## PRODUCT PORTFOLIO

### Counterbalance Forked Automated Guided Vehicles (AGVs)



|                              | CB750            | CB1500             | CB2500             | Trailer Loading    | CB4500              | Reach              |
|------------------------------|------------------|--------------------|--------------------|--------------------|---------------------|--------------------|
| Standard lift weight up to   | 750kg / 1,600lbs | 1,500kg / 3,300lbs | 2,500kg / 5,500lbs | 2,000kg / 4,400lbs | 4,500kg / 10,000lbs | 2,041kg / 4,500lbs |
| Standard lift height up to   | 1,220mm / 48"    | 5,100mm / 201"     | 9,140mm / 360"     | 2,540mm / 100"     | 5,770mm / 227"      | 12,500mm / 490"    |
| Standard lift speed up to    | 25mm/s   1"/sec  | 200mm/s   7.9"/sec | 300mm/s   12"/sec  | 220mm/s   8.7"/sec | 135mm/s   5.3"/sec  | 300mm/s   12"/sec  |
| Standard travel speeds up to | 1.8mps / 350fpm  | 1.8mps / 350fpm    | 1.6mps / 315fpm    | 1.8mps / 350fpm    | 2.0mps / 394fpm     | 2.0mps / 394fpm    |



**mōt.OS®**

### FLEET MANAGEMENT SOFTWARE

**JBT mōt.OS makes every mobile automation system SIMPLE, SCALABLE, and SUSTAINABLE**

Our innovative software platform delivers seamless integration, transforming logistics and manufacturing operations.

## SIMPLE

- User-friendly automation platform
- Intuitive monitoring and analytics
- Seamless horizontal and vertical integration

## SCALABLE

- Fleet interoperability with performance and safety in scope
- Management of hundreds of vehicles and thousands of storage locations
- Site-to-enterprise mobile robot asset management

## SUSTAINABLE

- Maximized total life cycle value via equipment and software asset management
- Flexible and redeployable technologies
- Decades of experience in complex automation environments