



**AUTOMATED
SYSTEMS**

A SMART MOVE FOR THE PHARMA AND LIFE SCIENCES INDUSTRY

The pharma and life sciences industry faces strict regulatory requirements, complex inventory management, and the need for precise, error-free handling of sensitive materials. Mobile automation from JBT can help streamline these operations by ensuring accurate tracking of raw materials and finished products, improving compliance with industry regulations and enhancing efficiency in production and distribution.

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 pharma and life sciences 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

- Current Good Manufacturing Practices (cGMP)
- Chain of custody
- Continuous manufacturing
- Process Analytical Technology (PAT)
- Supply chain visibility
- Data integrity
- Regulatory compliance
- Product traceability

Applications

- Raw materials transport, storage, and retrieval
- Finished goods
- Palletized finished goods
- In-process stainless steel batch tank movement
- Packaging material delivery to packaging lines
- Automatic trailer loading/unloading



LEARN MORE

EXPERIENCE THE POWER OF PERFORMANCE-DRIVEN AUTOMATION

PRODUCT PORTFOLIO

Counterbalance Forked Automated Guided Vehicles (AGVs)



CB750



CB1500



CB2500



Trailer Loading

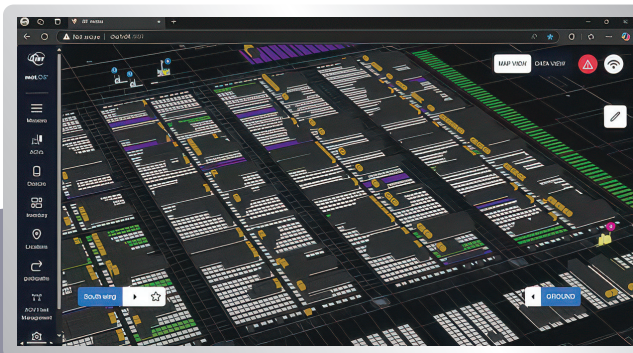


CB4500



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