

AUTONOMOUS SOLUTIONS



**APPROACHABLE AUTOMATION
THAT SIMPLY WORKS**

AHEAD OF THE CURVE

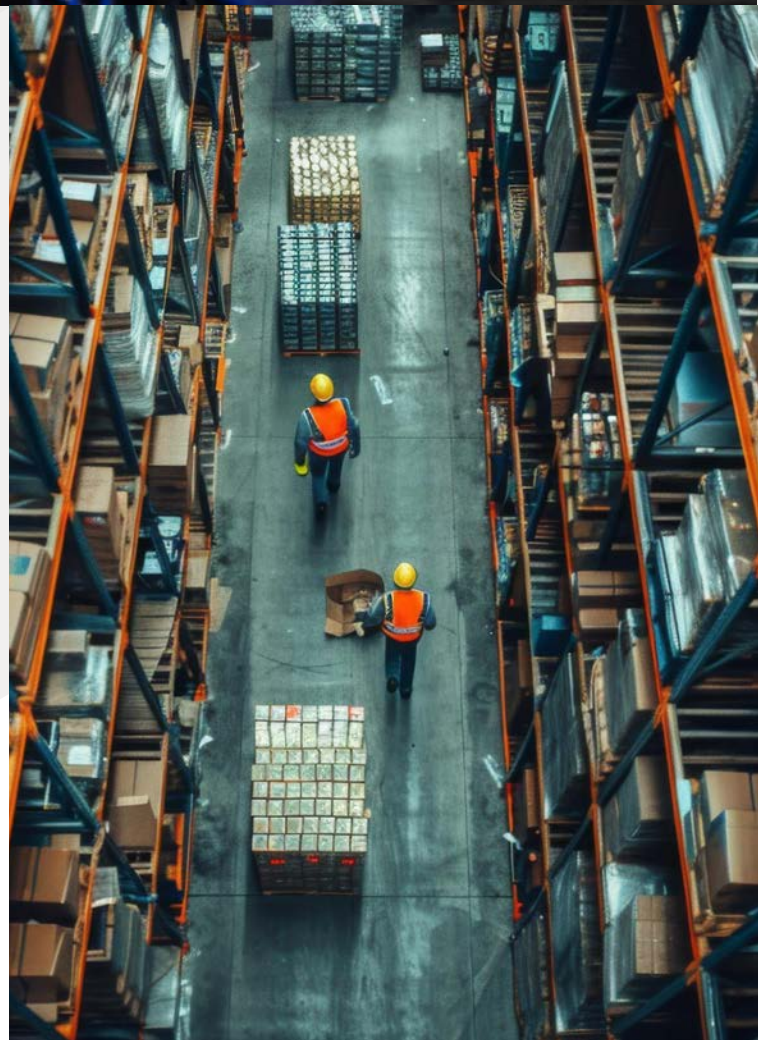


Overcome Labor Constraints

Staffing an operation with skilled workers is a challenge common to every business. Focusing available resources on the most value-added tasks and enabling higher productivity demand a new type of solution.

Lead in Productivity

As competition becomes more intense, material handling methods must rise to the occasion by increasing efficiency and multiplying resources rather than simply adding.



MEET THE CHALLENGE

Maturing Technology

Automation has developed by leaps and bounds. Mass production of sophisticated hardware has driven costs down. These factors mean that it is possible to implement automation much faster and with an ROI that makes sense - but only with the right solution integrated into your workflow.

Increasing Demands

As e-commerce has expanded and reset the market's expectation for speed, the ability to handle complexity and deliver throughput gives operations an upper hand.



AP44

AUTONOMOUS 4,400 LB. PALLET TRUCK



360° VISIBILITY

Overhead dual 3D LiDAR sensors enable mapping, dynamic navigation and obstacle detection



ALWAYS ON CALL

Wirelessly call the unit to a location, estimate time of arrival and check real-time location



CLEAR VISION

Optical cameras enhance vision, improving movement accuracy and learning



SIMPLICITY MEETS CAPABILITY

An intuitive touchscreen interface gives operators the ability to generate maps, assign missions, activate and edit workflows and communicate with the fleet



FULL SENSOR PACKAGE

Fork tip cameras enable automated pallet entry, pick-up and drop-off



IMMEDIATE ROI LOW TOTAL COST OF OWNERSHIP

WORKS WITH YOU

Red curtain lights, a blue spotlight and horn that can activate autonomously help make pedestrians aware of the unit's presence

HANDS-ON OR HANDS-OFF

Operate manually, semi-autonomously or fully-autonomously

EMBEDDED FLEET MANAGEMENT

Enables communication between vehicles and with ERP and WMS systems for autonomous planning

POWERED FOR THE JOB

A maintenance-free Lithium-ion battery and wireless charging capability support around-the-clock operation



AUTONOMOUS SOLUTIONS

Rapid Deployment

All Big Joe autonomous solutions are designed to implement into existing facilities and systems and can operate independently or at the direction of your WMS/ERP/WCS systems. Infrastructure upgrades are not required with Big Joe, which can save extensive time and investment costs.



AP44

**Autonomous Pallet Jack
4,400 lb. Capacity**

Designed to augment the workforce by transporting palletized goods.

ROI-First Automation with Embodied AI

By designing solutions that leverage embodied AI, Big Joe delivers intelligent navigation, real-time decision making and a scalable system that meets you where you are and starts delivering immediate value.

ATC100

**Autonomous Tugger
10,000 lb. Capacity**

Capable of autonomously towing a variety of trailer configurations, this model also allows operators to take control at a moment's notice.



Practical Autonomy

Big Joe autonomous solutions go hand-in-hand with the existing workforce, helping teams spend more time on value-added tasks and less time moving materials. This approach can help workers be more productive and operations run more consistently.

ACV40

**Autonomous 3-Wheel Forklift
4,000 lb. Capacity**

Unlocks autonomous pick and place, up to 3 feet high and allows manual use by an operator, on demand.



The Big Joe Difference

The flexibility and simplicity of Big Joe autonomous solutions, empowered by an industry-leading software platform, gives users the ability to implement automation at their own pace and in their own way.



ASC40

**Autonomous Counterbalanced Stacker
4,000 lb. Capacity**

A true robot, optimized for autonomous operation only, with a compact footprint and the ability to pick and place loads up to 3 feet high.



Big Joe Forklifts, established in 1951, is a North American leader in material handling solutions with a mission to empower the people who move things and a vision to be the trusted partner delivering disruptive solutions that accelerate the industry's transformation from internal combustion to electric to fully autonomous. Our tagline, Powering Progress, reflects our commitment to innovation and partnership as we deliver lithium-ion forklifts, advanced material-handling equipment, and autonomous solutions through our nationwide dealer network.



Certification: Big Joe lift trucks are built in compliance with ANSI B56.1, ANSI B56.5 and OSHA section 1910.178(A)(2). Lift trucks specifications are subject to change without notice. Any specifications critical to the intended application of the forklift should be reviewed with your Big Joe dealer. Images may show optional equipment not available in all regions.



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