

EZ Loader: Applications & Common Questions



In warehouses, manufacturing facilities and a variety of other industrial settings, moving material from one area to another is the leading cause of workplace injuries. For example, in pallet loading and unloading applications, the constant bending, lifting, stretching and walking around a stationary floor pallet is often a slow, strenuous process and puts employees at risk for personal injury.

Manual pallet loading and unloading continues to be one of the most common tasks today. It also continues to be one of the most injury prone tasks, which is why improving this process is a primary concern for business owners, managers, and supervisors alike.



A self-leveling pallet positioner, like [Bishamon's EZ Loader®](#), is designed to improve workplace productivity and efficiency,

Key Advantages of the EZ Loader®

Bishamon's state-of-the-art [EZ Loader®](#) is the most advanced automatic pallet positioner in the industry. The EZ Loader's height responds to the load weight and adjusts accordingly, to maintain an optimal working height for users. This eliminates the need for operators to continuously correct and adjust the height of the pallet positioner. As no operator input is required to maintain a comfortable working height, workers are able to focus completely on the job at hand.

"The EZ Loader's height responds to the load weight and adjusts accordingly, to maintain an optimal working height for users."

As materials are loaded or unloaded, a built in rotator ring provides near-side loading which eliminates reaching, stretching, and walking around the pallet. The platform top rotates so that workers stay in one position, eliminating extra movements while properly placing materials onto the pallet. A secured ball bearing center pivot provides smooth and even rotation. Ergonomics are greatly improved with the EZ Loader's rotating top.

Bishamon's patented captive air system is superior to systems on other pallet positioners and sets this positioner apart from the competition. This totally self-contained pneumatic system eliminates the need for a constant air connection and does away with cumbersome and less responsive mechanical springs as well. Once air is applied to the cylinder, the machine is ready for use.

The EZ Adjust Knob is an advanced feature that provides three settings which allow up to 1,200 lbs. of capacity adjustment without changing air pressure. This advanced feature saves additional time because the operator does not need to stop working to adjust the air pressure. A simple turn of the knob is all that is required. There are three settings: light-, medium, and heavy-weight positions. Weight capacities from 250 lbs. up to 4,000 lbs. can be easily accommodated.

Stability and safety are integral features of the **EZ Loader®**. Hinged maintenance bars are an added safety feature and rollers set within the base frame and platform improve stability.

The ergonomic improvements for workers lead to measureable improvements in productivity. The EZ Loader eliminates the extra movements required to load and unload ground-level pallets, which speeds up the entire process. This time savings ensures the job is finished faster and more pallets can be efficiently loaded or unloaded each day. The cost- and time-savings provided by using an **EZ Loader®** is significant.



The EZ Loader's self-contained pneumatic system eliminates the need for a constant air connection, thereby eliminating the need for mechanical springs.



The EZ Adjust Knob provides up to 1,200 lbs. of capacity adjustment with just a simple turn of a knob.



Hinged maintenance bars enhance safety.



Rollers are fixed within the base frame and platform for added stability.

Key features at a glance:

- Self-leveling design maintains height to eliminate bending and improve productivity
- Rotator ring eliminates stretching and reaching
- Patented captive air operation provides more controlled movement of the platform
- EZ Adjust Knob allows changes to collapsed capacity without changing air pressure
- Pressure relief valve prevents excess pressure build up
- Long lasting and durable phosphatized and high-quality polyester powder-coated finish
- Complies with all Machinery Directive 2006/42/EC safety requirements and is CE approved
- Built-in safety and security features
- Easily moveable



Applications

Manual pallet loading and unloading is a common, everyday occurrence in factories all over the world. Industries such as manufacturing; warehousing and distribution centers; light assembly; and paper, printing, and publishing are just a few of the major industries where an automatic pallet positioner improves workplace ergonomics.

Manufacturing facilities and assembly plants are consistently loading and unloading parts and components from suppliers while packing up finished items to be sent out to customers. The addition of an EZ Loader® improves worker safety and enhances productivity.

In warehousing and distribution facilities, the portable pallet positioner is easily moved to a work area where materials are to be stored or retrieved. In maintaining a comfortable working height, the amount of movement required to move the materials is reduced, making it less stressful on the worker's bodies. The company and the workers benefit from the improved ergonomics of not having to move materials very far from the pallet.

“Manufacturing facilities and assembly plants are consistently loading and unloading parts and components from suppliers while packing up finished items to be sent out to customers. The addition of an EZ Loader® improves worker safety and enhances productivity.”

EZ Loader® models are available in stainless steel configurations that are suitable for food processing, pharmaceutical, and clean room applications. Constructed of Grade 304 stainless steel, this SS Model will meet most of the sanitary requirements of these types of industries.

The EZ Loader® is delivered fully assembled and ready for air. For pallet loading, an empty pallet is placed on the turntable and the employee can begin stacking boxes. As materials are loaded the table responds to the weight of the load and lowers to maintain the correct height. When unloading a pallet, a fully loaded pallet is placed on the turntable and the height rises as materials are removed.

The ergonomic assistance provided by the EZ Loader® is unparalleled and unmatched by any other pallet positioner on the market today. It is the perfect ergonomic tool that provides attention to detail and worker safety as the most important feature.

Key benefits of the EZ Loader® in an industrial setting:

- Reduces worker movements in material handling applications
- Reduces worker fatigue
- Reduces the risk of workplace injury
- Improves productivity
- Portable and easy to move
- Provides significant time and cost savings



Manual pallet loading and unloading continues to be one of today's most injury prone tasks. The EZ Loader helps reduce the risk of workplace injury.

Application Considerations

The [EZ Loader®](#) has a maximum load capacity of 4,000 lbs. For effective and safe operation, loads must meet certain requirements before loading a pallet onto the machine.

Considerations such as minimum and maximum weights must meet specifications for the self-leveling capacity to be the most effective. Minimum self-leveling capacity is 250 lbs. and the maximum self-leveling capacity is 3,500 lbs.

For proper operation, loads must be uniform. Uniform loads enable the platform to rise and lower evenly and smoothly. Uneven loading or unloading could cause instability of the pallet and potential damage to materials.

The pallet should sit on the [EZ Loader®](#) platform without an excess of overhang. Optional platform sizes are available to accommodate larger pallets.

Key considerations:

- Capacity for self-leveling ranges from 250-3,500 lbs.
- Loads must be uniform
- Pallet must sit comfortably on the platform

Frequently Asked Questions

Q: How is the EZ Loader® different from other pallet positioners?

A: The EZ Loader® is an automatic system that adjusts the height of the pallet as the operator adds or removes material. Hydraulic systems requires the operator to manually adjust the height. It may not seem significant but the starting and stopping of the work adds a considerable amount of time to the completion of the job. The rotating top allows easy access to all sides of the pallet, eliminating much of the excess movement of the operator (walking, bending, and stretching). Once the pallet is placed on the EZ Loader platform, the operator doesn't need to stop the process until the job is finished. Reducing the time it takes to move materials increases the number of pallets that can be handled each day and improving efficiency.

Q: Does the EZ Loader® come in different models?

A: Yes, there are 5 models to choose from that are designed to fit into specialized industrial applications. These models can also be customized with options and accessories. The 5 standard models are:

- EZ Loader®: standard powder coated finish
- EZ Loader-E®: FDA compliant powder coated finish with stainless solid round top
- EZ Loader-SS®: made from Grade 304 stainless steel with electro-polished finish
- EZ Loader-2848®: fixed non-rotating 28" X 48" platform
- EZ Loader-3648®: fixed non-/rotating platform 36" x 48"



The EZ Loader SS model is constructed of Grade 304 stainless steel to ensure most sanitary requirements are met. The EZ Loader SS is the ideal choice for industries such as food and beverage processing, pharmaceutical and medical.

Q: What options and accessories are available on the EZ Loader®?

A: Bishamon has the capabilities to manufacture an EZ Loader® to meet your specific requirements. Our many options include:

- Rotator ring brake to prevent rotation
- Accordion bellow skirting with frame
- Solid 43” diameter round top
- Oversize rectangular rotating platforms
- Solid top

Q: How are they moved around a facility?

A: EZ Loaders® can be easily transported throughout a facility using a fork truck. No fork pockets are required as forks fit underneath platform to lift pallet positioner and move it to a new location.

We offer accessories for moving the EZ Loader® without the need for a forklift also. Semi-live portability option has 2 wheels and dolly handle for moving unloaded lift. Cart option enables portability with 2 swivel and 2 rigid wheels.



Rotator ring brake



Accordion skirting



Rotating rectangular platform



Solid rotating top

Q: Is there a size restriction for material on the pallet?

A: The restrictions are on the total weight of the pallet, not the individual boxes or products. The restrictions for each piece would be up to you and your employees as to how much they can move on and off the pallet.

Q: Can an [EZ Loader®](#) really make a significant difference in the amount of work that gets done in a day?

A: Absolutely! We have tested and studied this repeatedly and have found that over the course of one day, the daily savings amount to \$113 based on an increase in the number of pallets being loaded with the use of the [EZ Loader®](#). Approximately 2 minutes were saved on each pallet, increasing the per hour pallets that could be loaded or unloaded by 7.

About Bishamon Industries Corporation

Bishamon Industries Corporation's material handling solutions work harder so people don't have to. Our products make the jobs easier and provide unparalleled ergonomic assistance in material handling operations.

Solutions such as the [EZ Loader®](#) are designed to improve the process of manual pallet loading and unloading. This type of product improves the lives of employees while enhancing safety and productivity throughout the whole operation. For the widest range of innovative and ergonomic material handling solutions, consider partnering with us. At Bishamon, we are committed to providing top-quality products that exceed all customer expectations in quality, delivery, value, and service.

Learn how adding an [EZ Loader®](#) to your material handling operation can save you time and money. [Contact us today!](#)

Working Harder To Make Your Job Easier.