

Most people outside the material handling industry may associate the term with only warehouse forklifts. Although forklifts in warehouses do certainly play an important role in the industry, material handling has a much further reach across a range of applications.

The primary function of material handling is to move the right material to the right place, at the right time, in the right amount, in the sequence and position—or condition—that helps a company achieve the minimum production cost. The effects of material handling can be felt across manufacturing facilities, warehouses, and other industrial settings, where companies can see higher level of safety and operational efficiency.

Material handling operations have a direct and significant impact on operating costs. Choosing the right material handling equipment can greatly enhance efficiency and productivity across an enterprise, reducing operating costs in the process.

Material Handling Equipment across the Enterprise

Material handling equipment helps with numerous tasks throughout the business, such as receiving/storage facilities, warehouses, distribution, and transportation centers and inventory management departments. A variety of material handling equipment across facilities exists, including, of course, the well-known forklifts.

Forklifts, first gaining widespread popularity during World War I, are still one of the most widely used industrial vehicles, found in warehouses, storerooms, and construction sites. They are available in a variety of design types and specialty trucks, and can be modified with numerous attachments to expand and customize their capabilities.

The forklift is not, however, the end-all of material handling equipment. There are all kinds of material handling vehicles and inventions for certain specific situations that only these machines can handle. These include pallet positioners, skid lifts, and hydraulic lift tables.

As the manufacturer of a wide array of material handling options, Bishamon is proud to present this guide to choosing the equipment that helps you achieve significant productivity, efficiency, and safety across the enterprise at minimum cost.

Bishamon's EZ Loader™

Bishamon is the sole proprietor of the EZ Loader, the most advanced pallet positioner currently available. Designed with operators in mind, it is an updated version of our previous model, with many new upgrades greatly expanding its capabilities.

The EZ Loader boasts a new EZ Adjust Knob, a three – position knob that allows operators to adjust the collapsed capacity without having to change air pressure, which significantly saves time. It also greatly eases physical pressure on workers by automatically raising and lowering pallets, which saves the potentially harmful effort of repeatedly bending and lifting.



Additionally, workers can easily use the EZ Loader to rotate pallets for near-side loading, eliminating the need to reach or strain over a pallet. This need is reduced even further by the automatic height adjustment feature; as the pallet load weight changes, the EZ Loader automatically adjusts the height, maintaining the top of the load at an elevation that is convenient for employees to work.

Cost Savings Analysis of the EZ Loader

Bishamon's new EZ Loader not only leads to improved worker efficiency, productivity, and safety, it also leads to demonstrated cost savings. A survey conducted over the course of one day revealed how the EZ Loader has a number of specific ways of saving time and money.

According to the survey, previous pallet positioners required 5 minutes to load one pallet, achieving a rate of 11.8 pallets an hour, and 94 pallets in a day. With the EZ Loader, workers only need 3 minutes to load one pallet, achieving a rate of 18.5 pallets an hour, and a total of 148 per day.

With the EZ Loader's daily rate of handling pallets, the cost per pallet drops from \$1.28 to \$0.81. This leads to a daily savings of \$113. This also means that Bishamon's EZ Loader returns the cost of investment in a mere 22 days. This ultimately leads to significant cost savings, all while improving worker efficiency and reducing physical strain and effort, which leads to additional safety and productivity.



Bishamon's OPTIMUS™

The Bishamon OPTIMUS series of electric-hydraulic lift tables are available in three varieties—Lift 2K®, Lift 3K™, and Lift 5K™. The OPTIMUS line includes six models of scissor lift tables with weight capacities of 2,000, 3,000, and 5,000 lbs. The lifts also feature rounded corners for unparalleled flexibility, giving workers greater mobility. As an added convenience to our customers, Bishamon offers 48-hour shipping on all OPTIMUS orders.



As with the Bishamon EZ Loader, the OPTIMUS series of lifts relieve the effort and strain of carrying heavy weights. OPTIMUS models with rotating tops and semi-live portability for moving unloaded lifts give workers added maneuverability while ensuring their safety. Additionally, easy to understand, user-friendly plug-and-play controls allow workers to quickly get used to the work. This saves you precious time in training, and the ease of use leads to greater efficiency and less downtime, which leads to additional cost savings both in labor and time taken per load.

Bishamon's UniLift™

Bishamon's UniLift is an all-in-one material handling solution, combining the capabilities of a pallet transporter, work positioner, and pallet lift. With an electric/hydraulic powered up and down, manual push, the UniLift easily handles standard pallets, CHEP pallets, and skids weighing up to 2,000 lbs. without straddling.



The UniLift's power is provided by an efficient 24 VDC battery system and on-board, automatic battery charger. It also features electro-mechanical outrigger actuation with position sensors. This leads to a lower energy usage, which in turns saves your company the cost of a high electric bill.

The UniLift, like the OPTIMUS lifts, are very user friendly, handling and steering like a standard pallet jack. Each fork's multi-roller entry system allows each pallet to easily enter and exit. The high degree of control ensures that workers will remain safe and efficient in their abilities, reducing downtime and increasing productivity in the process.

Bishamon Products Lead to Enhanced Productivity and Efficiency

Each of Bishamon's products are designed with worker safety and productivity in mind. The EZ Loader, OPTIMUS lifts, and UniLift all combine maneuverability, flexibility, and ease of use to allow workers to quickly get used to the machines and operate them efficiently, which in turn leads to improved safety and decreased downtime. This increased productivity, along with the energy-efficient features of all Bishamon products, leads to cost savings across the business.

Find out much more about Bishamon's capabilities, and [contact us](#) today!