Positioning Your Order Picking Team

For Success



Automated goods-to-person storage and retrieval systems deliver ergonomic benefits that yield higher productivity, better accuracy and reduced operational costs.

Common Ergonomic Injuries and their costs

Non-fatal workplace injuries cost U.S. businesses nearly

562 billion

yearly according to the 2016 Liberty Mutual Workplace Safety Index

3 Leading Causes of Injuries



\$19.2B Overexertion injuries



\$15.5B



Struck by object or equipment

How much could an Ergonomic Injury cost?

The average cost of a back-injury-related workers comp claim can be:

\$40,000 to \$80,000 per employee.



Employers also experience significant indirect costs associated with a worker injured on the job — from 2 to 20 times higher than direct costs.

Wages paid for by worker's comp

Administrative time

following injuries

work stoppage



Indirect costs can include

An Ergonomic Solution: Automated Storage Systems



Employee training



New employee learning curves and of injured worker



machinery and property.



Vertical Carousels

Comprised of a series of shelves which rotate around a track to deliver stored items safely and quickly to an ergonomically positioned work counter.



Vertical Lift Modules (VLMs)

An automatic inserter / extractor device operates between two columns of shelving automatically retrieving and delivering trays with stored goods when required by an operator.



Horizontal Carousels Bins mounted on an oval track rotate horizontally

to deliver storage locations to an operator.



Vertical Buffer Modules (VBMs)

A discrete handling, tote/bin based system, consisting of enclosed dense shelving with a movable mast in the center that stores and retrieves totes delivering them to a picking station or via automatic conveyor.

The Ergonomic Impact of AS/RS



Minimize Fatigue, Improve Accuracy With automation, a warehouse

can boost picking rates by 600% due to drastically reducing walk and search time and improve picking accuracy due

to reduced operator fatigue.



Go for the Gold (en Zone)

delivered to the operator at the optimal ergonomic

high reducing the risk of injury due to reaching, bending and stooping.



Need a Lift? Add a Hoist

For heavy loads, a VLM can be equipped with an integrated overhead crane

assistance reducing the risk of injury due to heavy lifting.

and electric hoist for ergonomic handling



Other

Benefits

Positioning operators at an ergonomic workstation, these

systems significantly reduce absenteeism, insurance premiums and worker's compensation claims.