Boost Your Ergonomics

Promote Good Health – Protect Your Employees

The basic resource in any company is its people. As society ages, protecting workers in old age is becoming an important issue. Companies are increasingly being called upon to provide solutions that allow staff to remain at work for a longer time. Older employees have a great deal of potential. Increasing productivity and ergonomics at the same time is, however, a challenge that more and more companies will have to actively address in order to ensure their continued success in the future.

Handling speeds a consistently high level

Increased motivation thanks to reduced work-related strain

New users comfortable operating in just a few minutes

Adapting new job profiles to an aging society

Implementing ergonomics in the workplace prevents excessive physical strain on the employees

Help employees to stay fit and healthy throughout their entire working life

Increase Productivity

Rapid Handling to Accelerate Material Flows

A vacuum tube lifter can be easily integrated into a production process. It is easy and intuitive to operate and results in a more consistent workflow.

• Handling speeds a consistently high level
• Increased motivation thanks to reduced work-related strain
• Below-segment downtime
• New users comfortable operating in just a few minutes

Handling tasks at any age – with Schmalz tube lifters

Handling with vacuum tube lifter

Handling “by hand”

Comparison: Vacuum Tube Lifter vs. Handling “by hand”

Inventory turnover

Duration of handling per shift

Handling with vacuum tube lifter

Handling “by hand”

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Ergonomic and Efficient Handling Solutions
Handle Tough Tasks with Ease

Not all tasks can be automated. People are vital in many production, assembly and logistics processes thanks to their intuitive and flexible way of working. A wide variety of handling tasks are still and will continue to be performed by people. In the future, the key to success will be finding a low-cost, ergonomic solution that supports these jobs.

Whatever the activity – a Schmalz vacuum handling system offers the ideal ergonomic solution for boosting productivity. The use of Schmalz vacuum lifters and crane systems optimizes the human/machine interface while also providing an ergonomic workplace. This increases employee motivation, and is an investment that will continue to pay off.

Ergonomic and Efficient Handling Solutions
Efficient Handling is Becoming More Important in Every Industry

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Vacuum Tube Lifters Jumbo
Rapid and Flexible Movement
- Frequent and rapid lifting and movement of workpieces up to 300 kg
- Handling workpieces such as cardboard boxes, sacks, barrels, jugs, crates, wood pallets and much more
- Ideal for in-house logistics processes, loading and unloading
- One-hand operation

Vacuum Lifting Devices VacuMaster
Powerful and Versatile Handling
- Move loads of several tons safely and ergonomically
- For loading and unloading CNC machining centers in the sheet metal, wood, plastics and glass processing industry
- Standard VacuMaster range available for loads of up to 2,000 kg
- VacuMaster Comfort

Aluminum Crane Systems
As a supplement or standalone system
- Customizable and perfectly designed crane systems for loads of up to 3,200 kg and jib cranes for loads of up to 3,000 kg
- Air slat suspension to the vacuum lifter or as a standalone system solution
- Innovative crane system with highly responsive operation
- Modular system for perfect integration into the existing working environment

Your Direct Line to Schmalz
For system design questions
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handling-systems@schmalz.de

Discover more about the world of vacuum handling at:
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For questions about the start of operations and maintenance:
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Vacuum Tube Lifters Jumbo

Rapid and Flexible Movement

- Frequent and rapid lifting and movement of workpieces up to 300 kg
- Handling workpieces such as cardboard boxes, sacks, barrels, jugs, crates, wood pallets and much more
- Ideal for in-house logistics processes, loading and unloading
- OCR scanning systems
- Modular, exchangeable grippers

Vacuum Lifting Devices VacuMaster

Powerful and Versatile Handling

- Higher loads of several tons safely and economically
- For loading and unloading CNC machining centers in the sheet metal, wood, plastics and glass processing industry
- Standard VacuMaster range available for loads of up to 2,000 kg

Aluminum Crane Systems

As a supplement or stand-alone system

- Customizable and perfectly designed crane systems for loads of up to 3,200 kg and jib cranes for loads of up to 5,000 kg
- For direct supplement to the vacuum lifter or as a stand-alone system solution
- Innovative crane system with highly responsive operation
- Modular system for perfect integration into the existing working environment

Vacuum Tube Lifters Jumbo

One-hand operation

360° rotation

Vacuum Lifting Devices VacuMaster

VacuMaster Comfort

VacuMaster Comfort with turning unit

270° swiveling

180° turning

Wall-mounted jib crane

Overhead crane systems

Columns-mounted jib crane

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JumboFlex

JumboErgo

JumboSprint

VacuMaster Comfort

VacuMaster Comfort with turning unit

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Overhead crane system

90° swiveling

180° turning

Wall-mounted jib crane

Overhead crane systems

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Increase Productivity
Rapid Handling to Accelerate Material Flows

Boost Your Ergonomics
Promote Good Health – Protect Your Employees

The basic resource in any company is its people. As society ages, protecting workers’ health and long-term well-being is becoming an important issue. Companies are increasingly being called upon to provide solutions that allow staff to remain at work for a longer time. Older employees have a great deal of potential. Increasing productivity and ergonomics at the same time is a challenge that more and more companies will have to actively address in order to ensure their continued success into the future.

- Adapting new job profiles to an aging society
- Implementing ergonomics in the workplace prevents excessive physical strain on the employees
- Helps employees to stay fit and healthy throughout their entire working life

The vacuum tube lifter can be easily integrated into a production process. It is easy and intuitive to operate and results in a more consistent workflow.
- Handling speeds are consistently high
- Increased material flow thanks to reduced work-related strain
- Better ergonomic design
- Low service, continuous operating is just a few minutes.

A vacuum tube lifter can be easily integrated into a production process. It is easy and intuitive to operate and results in a more consistent workflow.

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Ergonomic Handling Solutions
Vacuum Handling Systems

Comparison of handling per shift

Handling with vacuum tube lifter
Handling by hand

Compare inventory turnover - handling with vacuum tube lifter and "by hand"

Handling speeds at a consistently high level
Increased material flow thanks to reduced work related strain
Better ergonomic design
Low service, continuous operating is just a few minutes.

Increase Productivity

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Boost Your Ergonomics
Promote Good Health – Protect Your Employees

Handling tasks at any age – with Schmalz Tube Lifters

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Ergonomic Handling Solutions
Vacuum Handling Systems

Product Overview

Schmalz Worldwide

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Rapid Handling to Accelerate Material Flows

Boost Your Ergonomics
Promote Good Health – Protect Your Employees

A vacuum tube lifter can be easily integrated into a production process. It is easy and intuitive to operate and results in a more consistent workflow.

- Handling speeds at a consistently high level
- Increased production thanks to reduced work-related strain
- Fewer production downtimes
- New users comfortable operating in just a few minutes

The basic resource in any company is its people. As society ages, protecting workers at older age in the workforce becomes an important issue. Companies are increasingly being called upon to provide solutions that allow staff to remain in work for a longer time. Older employees have a great deal of potential. Increasing productivity and ergonomics at the same time is, however, a challenge that many more companies will have to actively address in order to ensure their continued success into the future.

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- It helps employees to stay fit and healthy throughout their active working life

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