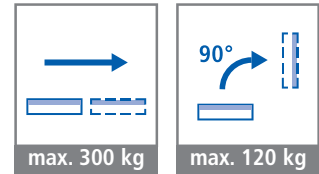


Vacuum Tube Lifter Jumbo

Modular system design

The vacuum tube lifter Jumbo is particularly suited to frequent and fast lifting and transportation of workpieces weighing up to 300 kg. Loads are gripped and lifted exclusively by using the medium vacuum.

Due to its modular design, the vacuum tube lifter can be customized to each individual application.



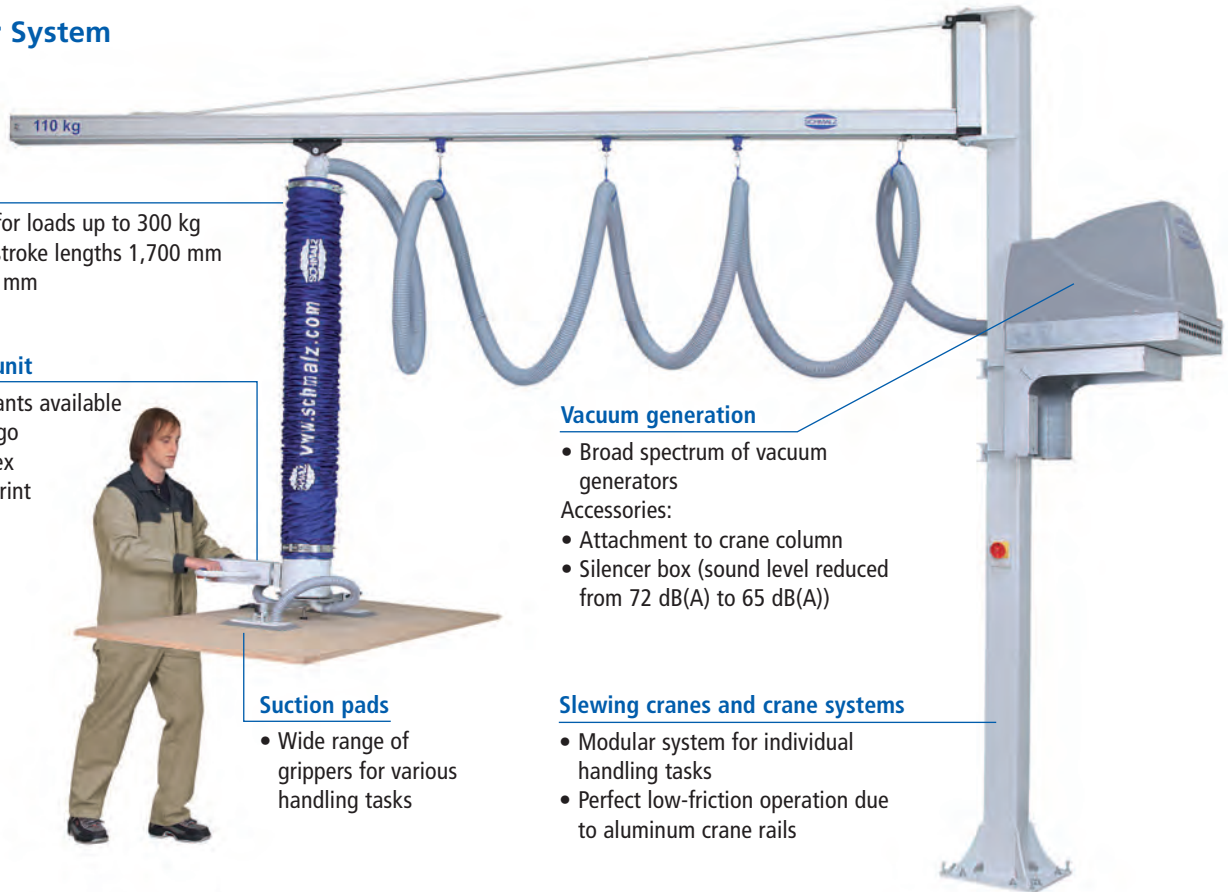
Modular System

Lifting unit

- Available for loads up to 300 kg
- Standard stroke lengths 1,700 mm and 2,100 mm

Operating unit

- Three variants available
 - JumboErgo
 - JumboFlex
 - JumboSprint



Vacuum generation

- Broad spectrum of vacuum generators
- Accessories:
- Attachment to crane column
 - Silencer box (sound level reduced from 72 dB(A) to 65 dB(A))

Slewing cranes and crane systems

- Modular system for individual handling tasks
- Perfect low-friction operation due to aluminum crane rails

Suction pads

- Wide range of grippers for various handling tasks

Vacuum Generation

Depending on the surface characteristics and the weight of the workpiece, three different vacuum generators are available for usage.



Vacuum pumps EVE

- Electrically operated vacuum generator



Vacuum ejectors SEM

- Pneumatically operated vacuum generator



Blowers SB-M, SB-L and SB-V

- Electrically operated vacuum generator for handling porous and vacuum-tight workpieces
- Blower SB-V, frequency-controlled for optimum adjustment of the suction capacity for a wide range of applications

Functionality

Ergonomic Operating Unit

The selection of a suitable operating unit depends upon the requirements of the handling task.



Operating unit JumboErgo

- Handling of large, light and heavy loads
- Twist grip operation (similar to motorcycle gas grip): load is lowered by "accelerating," load is lifted by "decelerating"
- Workpiece dimensions: max. 4,000 x 2,000 mm
- Maximum load: 300 kg

www.schmalz.com/jumboergo



Operating unit JumboFlex

- Precise, ergonomic single-hand operation with integrated controls for both right-handed and left-handed operators
- Quick-change function as standard
- Workpiece dimensions: max. 2,000 x 1,000 mm
- Maximum load: 35 kg

www.schmalz.com/jumboflex



Operating unit JumboSprint

- Accurate, gentle handling of heavy, compact loads in a harsh working environment
- Lower the load by "pressing down" the handle, lift the load by "pulling up" the handle
- Workpiece dimensions: max. 4,000 x 1,000 mm
- Maximum load: 300 kg

www.schmalz.com/jumbosprint

Replaceable Suction Pads

The vacuum tube lifter Jumbo can be equipped with a quick-change function. Grippers can be changed quickly and without using tools. A wide range of gripper solutions are available for the tube lifter. The following grippers are normally used for handling tasks in the wood and glass industries:



Single suction pad



Double suction pad FM



Double suction pad



Quadruple suction pad



Round suction pad



Double suction pad

Accessories



Pneumatic swiveling unit PSE

- Swiveling by 90° with no jarring
- Low headroom requirement thanks to its compact construction
- Swiveling position is maintained in the case of a loss of compressed air
- Max. load: 120 kg



Wireless remote control SRC

- The vacuum generator can be switched on/off directly on the controller
- Regulation of the frequency of the vacuum blower SB-V
- Transmitting frequency 868 MHz



Movable operator handle for JumboErgo

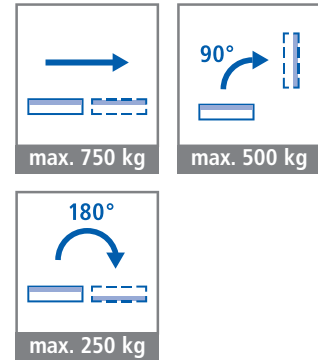
- For easy control, even with a long lifting stroke
- With optional catch lever to attach the controller

Vacuum Lifting Devices VacuMaster

Modular system design

The vacuum lifting device VacuMaster is the ideal tool for handling workpieces weighing up to 2,000 kg. The workpiece to be lifted is gripped by the lifting device VacuMaster and then lifted safely with the aid of the chain hoist. Robust and reliable performance are the major features of these lifting devices.

Thanks to the modular design, the vacuum tube lifters of the Basic and Comfort series can be adjusted to each individual application.



Modular System



Slewing cranes and crane systems

- Modular system for individual handling tasks
- Perfect low-friction operation due to alu-minum crane rails

Electrical chain hoist

- Chain hoist for safe lifting and lowering of the lifting device
- The Schmalz chain hoist is optimally matched to the lifting device VacuMaster
- With optional frequency control

Basic module with integrated functions

- Components are protected under a sturdy metal cover
- Simple to use thanks to easily readable, integrated display instruments
- Low sensitivity to dust and dirt

Operating unit

- Two variants available
 - VacuMaster Basic
 - VacuMaster Comfort

Technical Equipment



Wide range of suction plates

- Suction plates can be adjusted to the:
 - Workpiece weight
 - Workpiece size
 - Workpiece surface



Aluminum main beam

- Quick gripping of the workpiece via integrated vacuum reservoir and distributor
- Safety in the event of power outage
- Compact design thanks to integrated vacuum distributor
- Corrosion-free



Plastic connectors

- Simple adjustment of the crossbeam and the suction plates
- Low weight
- Tried and tested function and high reliability



Electrical linear actuator

- Quick and infinitely variable swiveling by 90° or turning by 180°
- Low headroom requirement thanks to compact construction
- Swiveling position is maintained in the event of a power outage
- Maximum load: 500 kg

Functionality

Ergonomic Operating Units

The vacuum lifting device VacuMaster can be equipped with the Basic and Comfort operating units.



VacuMaster Basic

- Ergonomic operator handle
- Manual sliding valve with clamp-safe catch lever prevents incorrect operation
- Easy to operate, even when wearing gloves
- The chain hoist controller can be attached to the operator handle
- Maximum load: 750 kg

www.schmalz.com/vm-basic



VacuMaster Comfort

- Ergonomic arrangement of all control elements on the operator handle
- Integrated controller:
 - Vacuum "on/off"
 - Chain hoist "up/down"
 - Swiveling/turning the workpiece by 90°/180° (with the slewable version)
- Easy to operate, even while wearing gloves
- Safe thanks to two-hand-vacuum-off function
- Maximum load: 750 kg

www.schmalz.com/vm-comfort

Vacuum Generation

Two different vacuum generators are available for the VacuMaster:



Vacuum pumps EVE

- Electrically operated vacuum generator



Vacuum ejector SEM

- Pneumatically operated vacuum generator

Accessories

The vacuum lifting device VacuMaster can be equipped with additional functions:



Swiveling and locking operator handle

- For easy control, even with a long lifting stroke