



Vacuum Handling Systems
Ergonomic Baggage Handling

Vacuum Tube Lifter JumboFlex

Ergonomic Baggage Handling

Companies in most industries are not only aiming at improving internal processes, but also to make them more efficient and ergonomic. For handling of passenger baggage and special baggage, the use of the vacuum tube lifter JumboFlex can make the decisive difference.

The vacuum tube lifter JumboFlex is perfect for frequent, very quick transfer of more lightweight goods with a weight of up to 35kg and convinces with functionality, safety and ergonomics.



JumboFlex, loads of 35kg, with suspension hook



JumboFlex, loads of 35kg, with baggage gripper



JumboFlex, loads of 35kg, with 2-in-1 gripper

With the vacuum tube lifter JumboFlex handling of baggage is quick and efficient. By the consideration of latest ergonomic findings, like the ergonomic, single-hand operation, safe and healthy working is guaranteed.

The vacuum tube lifter can easily be operated by both, right-handed and left-handed persons, due to the integrated one-finger control. The innovative technology increases productivity, inventory turnover and reliability.

The JumboFlex is optional available with remote control SRC to switch the vacuum pump on and off, using a press button directly integrated into the operating unit.

Technical data

- Loads up to 20 kg or 35 kg
- Lifting speed approx. 1 m/s
- Diameter of lifting strokes 80 mm or 100 mm
- Lifting height 1,500 mm or 1,800 mm
- Integrated swivel mechanism
- Endless rotation of workpiece
- Extensive portfolio of suction pads

Safety

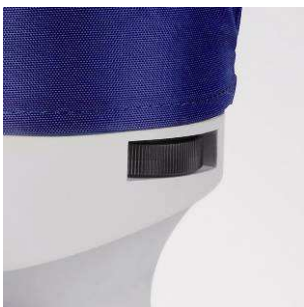
- Constructive observation of active safety
- The quick-acting non-return valve and the large suction pad surface prevent the load from being dropped inadvertently – even if the power fails
- The design complies with accident prevention regulations in accordance with BGR/BGV 500

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Integrated one-finger controller



Setting the suspension



Flexible pick-up and suspension of the load



Rotation without limits



Filter

- Tool-free installation and removal of the filter for cleaning and/or replacement

Setting the suspension

- It is easy to set the suspension height of the vacuum tube lifter with no load

Precision single-hand operation

- Integrated one-finger control
- Equally easy to use for righthanded and left-handed users
- Sensitive control of lift speed
- Single controller for activation/deactivation and load release

Ergonomic lever shape

- Ergonomic design of operating levers with soft-touch element

Flexible load pick-up

- Suction pads can be swivelled 90° to pick up workpieces from the side
- After workpieces are picked up, they are automatically swivelled into a horizontal position

Rotation without limits

- The JumboFlex vacuum tube lifter can be rotated without limits
- Workpieces that have been picked up can also be rotated without limits below the controller; locking in 90° intervals

Replaceable suction pads

- Features quick-change function as standard component

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Baggage Handling at Hamburg Airport



Baggage Handling at Hamburg Airport



Baggage Handling at Hannover Airport

Three words, one airport: fast, beautiful, modern – this is the slogan of the Hamburg Airport. With approximately 160,000 flight movements per year (as of 2010), a mass of baggage accumulates. After the check in, the heavy baggage pieces, with an average of 18 kg, are classified in a particular chute by a sorting system. Therefrom, the baggage pieces are loaded into an apron trolley by an employee and subsequently brought to the airplane. Until now, the reloading of the baggage pieces was done manually by the employees and was associated with heavy physical efforts. To relieve the employees, the decision to buy several vacuum tube lifters from Schmalz was made.

The vacuum tube lifter JumboFlex can lift loads up to 35 kg. Right-handed employees as well as left-handed employees can lift baggage pieces flexible and without much effort, due to the ergonomic single-hand operation. The operating element is equipped with a radio control SRC. This is a worthwhile investment for reducing energy costs. The standardized 2-in-1 gripper of the tube lifter has a simple rotating mechanism that allows the user to switch from the vacuum baggage gripper to a mechanical single-hook, to handle suitcases as well as as bags.

Contact

Working together with our customers, Schmalz system consultants can design a tailored vacuum system for any individual application. Schmalz is the right partner for you if you are looking for handling technology.

Our sales network of local field representatives, international subsidiaries and trade partners ensures quick and competent information and advice.

You can find more information under www.schmalz.com/salesnetwork

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