



Handling

Mobile Vacuum Tube Lifters

WWW.SCHMALZ.COM/JUMBO

▶ Ergonomic handling with the vacuum tube lifter JumboFlex

▼ Mobile and universally applicable with changing industrial trucks



Ergonomics to go – The JumboFlex Picker

The unique ergonomics and safety of the Schmalz vacuum tube lifters is now also available for mobile use. The JumboFlex Picker can be transported with any standard industrial truck and is therefore the ideal picking solution for packages weighing up to 50 kg – regardless of the location.



Watch product video



Quickly ready to use
In a few seconds at the next operation site



Ergonomic
Intuitive JumboFlex one-hand operation



Enduring
Up to 6 hours of continuous handling without interruption

Vacuum Tube Lifter JumboFlex Picker

Mobile order picking of packages up to 50 kg

APPLICATIONS

- Picking mixed pallets from unmixed pallets for onward transport to stores
- Stacking of pallets for distribution to different storage locations or further processing locations
- Suitable as an internal goods distribution solution
- Optimal for use with block or floor storage

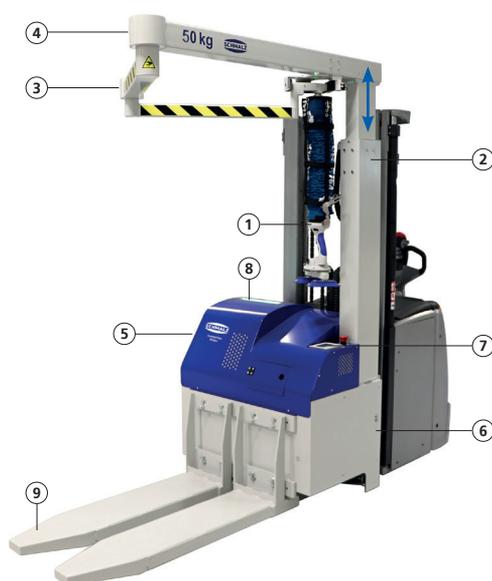


Short forks for one pallet



Long forks for two pallets

DESIGN



- ① Vacuum tube lifter JumboFlex with 35 kg or 50 kg load capacity and approx. 1,300 mm stroke
- ② Height-adjustable column to increase the maximum gripping height up to 1,800 mm
- ③ Smooth-running articulated jib crane with 360° operating action radius and approx. 1,600 mm-length
- ④ Fixed element for extending the articulated arm by approx. 1,500 mm in length
- ⑤ Vision-optimized basic module with control technology and vacuum generation
- ⑥ High performance 24V battery with easy change option
- ⑦ Integrated touch display for controlling the system
- ⑧ Colored LED band for status indication and additional acoustic warning in case of danger
- ⑨ Forks for one or two pallets in different versions (EPAL/GMA)

Vacuum Tube Lifter JumboFlex Picker

Product Highlights



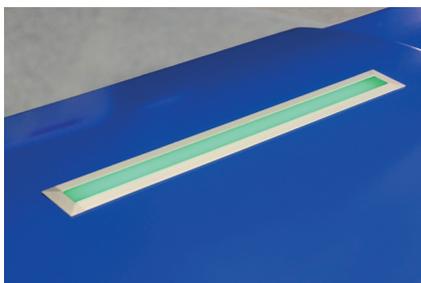
The clearly arranged touch display with soft keys enables simple and intuitive operation.



The support feet extend automatically after the jib is unlocked, minimizing cycle times.



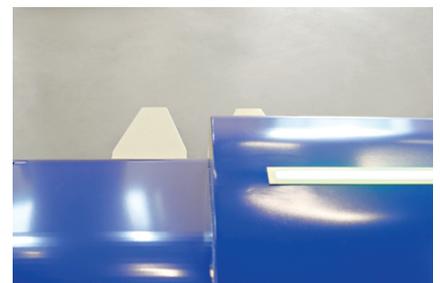
Ergonomic handling with the proven intuitive JumboFlex handle.



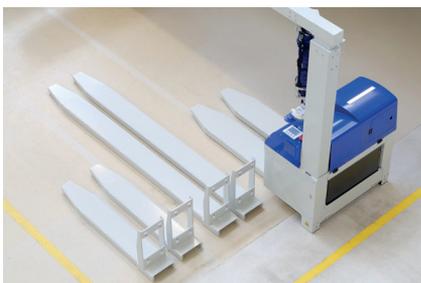
A status LED provides clearly visible information on the current operating status.



A magnetic switch fixes the jib in a safe parking position during transport.



Optimized view of the forks due to lowered base body cover.



Compatible with any forklift vehicle thanks to different fork shoe variants.



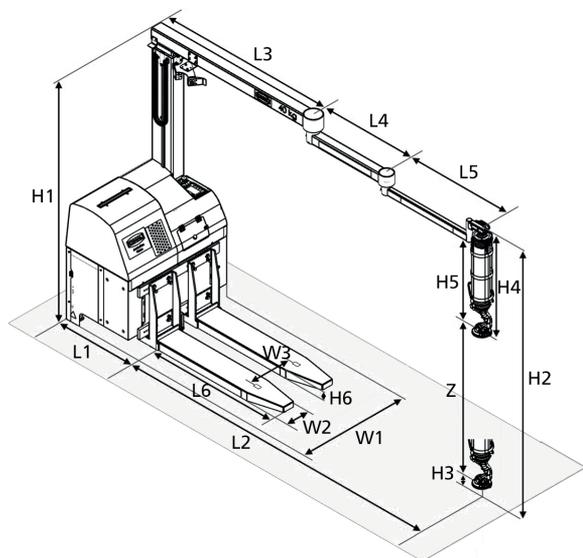
Standardized 24V battery for continuous operation of the system up to 6 hours.



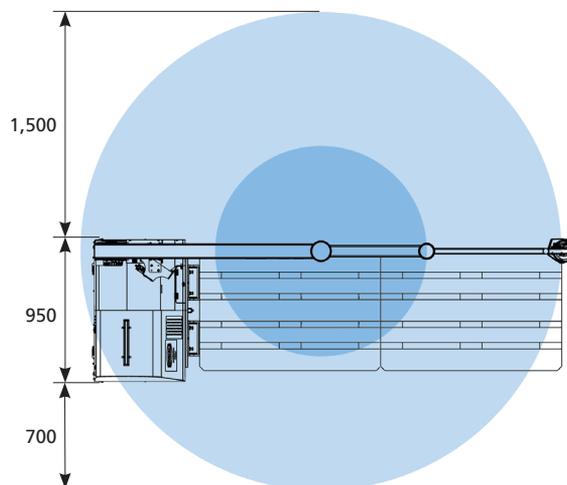
The battery can be charged in the device and also changed in approx. 10 – 15 minutes for multi-shift operation.

Vacuum Tube Lifter JumboFlex Picker

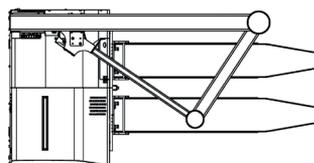
Technical Data



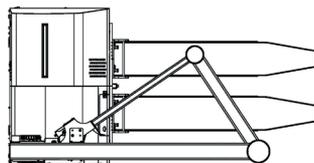
JumboFlex Picker



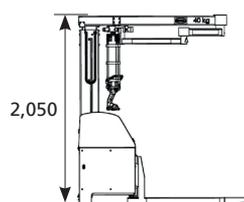
Operating range articulated jib in mm



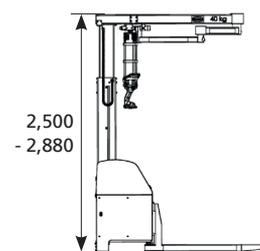
Left-hand drive



Right-hand drive



Height lifting column in mm, in parking position (e.g. for passing through gates)



Height lifting column in mm, ready for use

Type	Dimensions in mm									Weight [kg]
	L1	L2	L3	L4	L5	W1	H4	H5		
JumboFlex Picker	710	2.400	1.500	700	910	950	910	730	900	

Type	Dimensions in mm									
	Z	H3		H1			H2			Operation max.
		Operation min.	Operation max.	Parking position	Operation min.	Operation max.	Parking position	Operation min.		
JumboFlex Picker	1.300	130 – 1.430	510 – 1.810	2.050	2.500	2.880	1.890	2.340	2.720	

Type	Dimensions in mm			
	W2	W3	L6	H6
Fork arms EPAL	196	270 – 535	1.150 / 2.350	70
Fork arms GMA	260	330 – 485	1.150 / 2.350	70

Note: All dimensions are approximate. The values given refer to standard round gripper. The actual values may deviate due to the use of other grippers. The general tolerance for lifting hoses is +/- 50 mm. The support height on the vehicle must be added to the specified values.

- ▶ Flexible order picking with the vacuum tube lifter JumboFlex Mobile
- ▼ Thanks to its compact dimensions, the JumboFlex Mobile is easy to transport to the place of use



Today here, tomorrow there - The JumboFlex Mobile

The JumboFlex Mobile is the optimum handling solution for flexible use at different locations. Compared to the JumboFlex Picker, this crane solution is combined with a mains-operated standard tube lifter in a compact base body. Thanks to the height-adjustable crane column, the working height for the tube lifter can be optimally adjusted and a very compact transport size can be achieved.



Compact design
Uncomplicated transportation to the next location



Low-noise working
Low noise level due to sophisticated main body with very good sound insulation



Plug and work
Mains operation enables uninterrupted work

Vacuum Tube Lifter JumboFlex Mobile

The transportable tube lifter solution for packages weighing up to 50 kg

APPLICATIONS

- Transportable handling solution for flexible use in changing locations
- Handling workpieces weighing up to 50 kg with the JumboFlex one-hand tube lifter
- Ideal as a temporary solution, but also for permanent use, such as for loading machines
- Operation via power connection (400 V 50 Hz 16 A)



DESIGN

- (1) Vacuum tube lifter JumboFlex with 35 kg or 50 kg load capacity and approx. 1,500 mm lifting stroke
- (2) Height-adjustable column for compact transport size of approx. 2,250 mm total height
- (3) Responsive articulated arm jib with 360° radius of action with approx. 2,400 mm reach and approx. 1,600 mm moving length
- (4) Basic module with vacuum generation and status LED display



Ergonomic handling thanks to the proven intuitive one-hand operation of the JumboFlex

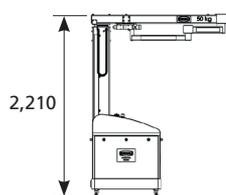


A status LED provides clearly visible information about the current operating status

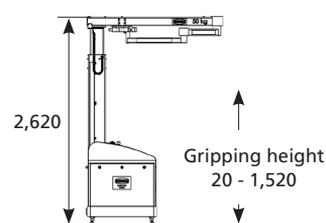


The simple control panel enables error-proof operation of the JumboFlex Mobile

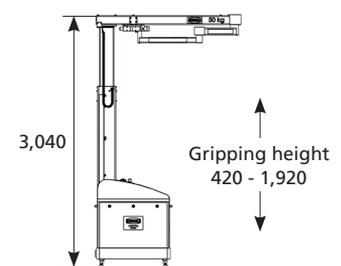
TECHNICAL INFORMATION



Transport position (no work possible)



Lower limit of the handling area



Upper limit of the handling area

Product overview

Mobile vacuum tube lifters from Schmalz

	JumboFlex Mobile	JumboFlex Picker	JumboFlex Integrated solutions*
Mobility	Stationary application with occasional change of location	Mobile order picking applications without long downtimes	
Payload	max. 50 kg		max. 40 kg
Minimum overall height	2,210 mm	2,050 mm	Depending on vehicle
Base area [L x W]	approx. 1,030 x 830 mm	approx. 950 x min. 1,850 mm	
Dead weight	approx. 1,300 kg	approx. 900 kg	
Power supply	Grid-connected 400 V	Wireless / battery operated	
Vehicle change	Can be used with various vehicles		Firmly attached to the vehicle
Crane boom / work area	Articulated arm jib with 1,500 mm projection for loading 2 Euro pallets with a total length of 2,400 mm		

*Schmalz offers vehicle manufacturers and integrators an assembly consisting of tube lifter, vacuum generation and control unit for integration into their industrial trucks. Integrated solutions of the JumboFlex Picker are available on request.



Awarded the seal of approval by Aktion Gesunder Rücken e. V.

Schmalz vacuum lifters and crane systems support the back and musculoskeletal system when lifting light and heavy loads. They reduce strain and help to make the work environment ergonomic. This is confirmed by the independent association Aktion Gesunder Rücken e. V. (AGR) with its seal of approval.

Vacuum Automation

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Handling Systems

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J. Schmalz GmbH

Johannes-Schmalz-Str. 1
72293 Glatten, Germany
T: +49 7443 2403-0
schmalz@schmalz.de
WWW.SCHMALZ.COM



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