



Handling Systems

Vacuum Tube Lifter JumboFlex

WWW.SCHMALZ.COM/JUMBOFLEX



Time to Flex! *

MORE SIMPLE. MORE EFFICIENT. MORE ERGONOMIC.
Optimize your handling processes now!

*For those who need more explanation: flexing means showing what you can do.



JUMBOFLEX WITH A NEW DESIGN

Thanks to the redesign, the Vacuum Tube Lifter JumboFlex has been further developed in a targeted manner to make work processes even more efficient and convenient.

The optimized operating unit, which is outstandingly user-friendly, makes it unique on the market. This makes JumboFlex the ideal partner for your daily use.

The Vacuum Tube Lifter JumboFlex is a universal talent in all areas of application. Its strength lies in the versatile handling of light goods up to 50 kg at a high cycle frequency. The optimized JumboFlex ensures seamless processes, reduces downtime and familiarization times.

It excels in ensuring an efficient material flow in, for example, intra-logistic areas by effortlessly moving a wide variety of goods. The JumboFlex also impresses when loading and unloading systems and machines with high throughput. In addition, it provides ergonomic support when commissioning packages and loading of sorting and distribution systems.

Experience maximum ergonomics and efficiency with the next generation of the JumboFlex up close – for noticeable relief and more productivity in your daily work!

OVERVIEW OF THE ENTIRE SYSTEM

The Vacuum Tube Lifter JumboFlex can be configured according to customer specifications. The Jumbo is characterized by its lifting unit, which contracts and extends when lifting and lowering the load. The large effective suction area confers a safe holding of the workpiece. Schmalz also offers a comprehensive range of accessories and a complete system with a highly responsive aluminum crane upon request.

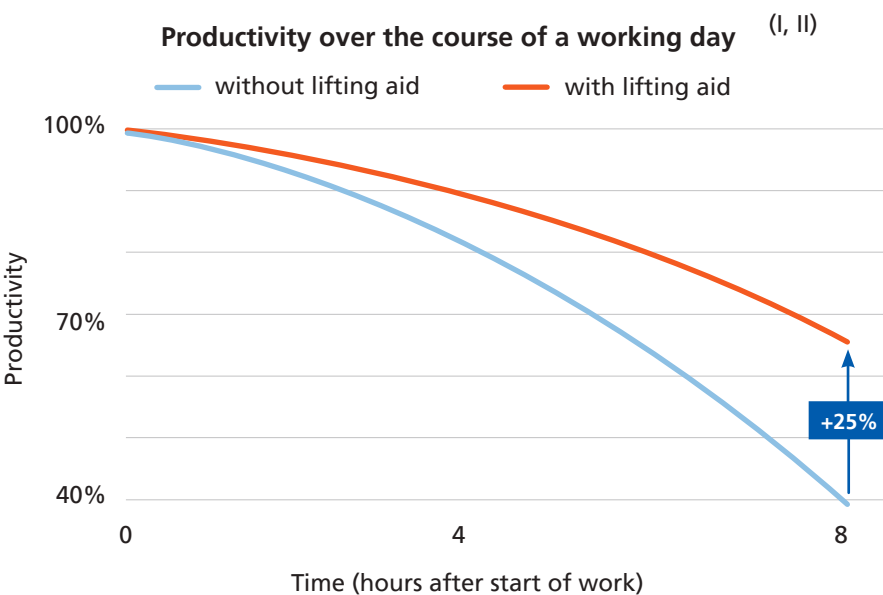


The entire system and its individual parts

That's why the JumboFlex is worthwhile

ACHIEVE MORE IN LESS TIME

The vacuum tube lifter JumboFlex increases productivity, lowers costs and optimizes workflows. Improved workplace conditions and reduced downtime ensure an efficient, ergonomic working environment in which power, comfort and ergonomics are perfectly combined. Find out more about the advantages of the JumboFlex!



Factors such as fatigue and a lack of concentration cause a drop in performance over the course of an 8-hour working day. In addition, the risk of health problems increases with longer working hours. An ergonomically designed workplace can prevent this loss of productivity. At the end of a working day, productivity can be a quarter higher with ergonomic support than without it.

Sources:

(I) Fraunhofer IPA (2019): Ergonomic benefits: Criteria for the assessment of ergonomic measures in the cost-benefit analysis

(II) Hoffmann Group (2015): An ergonomic work place – for the sake of your employees' health



REDUCTION OF DOWN TIMES

Workplaces that are ergonomically designed reduce physical strain and complaints related to the musculoskeletal system.



LOWER COSTS

Cost savings are realized through a higher throughput and fewer sick days.



ATTRACTIVE JOBS

Workplaces that are ergonomically designed promote employee health, motivation and performance.

The new features of the JumboFlex

INNOVATIVE TWO-BUTTON CONTROL

The innovative two-button control enables intuitive and controlled operation. The opposing buttons for lifting and lowering the JumboFlex make the control system much easier to use. This makes the Vacuum Tube Lifter JumboFlex unique on the market. The optimized control system reduces familiarization times and increases productivity at the same time.



QUICK AND EASY GRIPPER CHANGE

The innovative tweezer handle makes gripper changes twice as fast as in the previous model. Thanks to the new change mechanism, the grippers can be easily inserted and exchanged with a single hand movement. This ensures safe and seamless processes with various workpieces.

ERGONOMIC DESIGNED OPERATING UNIT

Regardless of the user's hand shape, the new, ergonomically designed operating unit can be used easily and intuitively. To achieve this, the angle of inclination and the curvature of the handle, as well as the position of the operating unit, have been optimized. The operating unit fits perfectly in the hand and makes handling of the workpiece more comfortable.



WATCH THE JUMBOFLEX PRODUCT VIDEO: HIGHLIGHTS AND APPLICATIONS

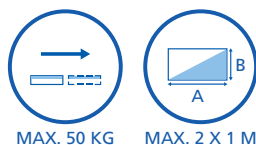
Experience first-hand how the Vacuum Tube Lifter is used in practice and discover the highlights and the versatile application possibilities for your work processes. Scan the QR code with your smartphone or tablet to go directly to the product video of the JumboFlex!



[go.schmalz.com/
video-jumboflex](https://go.schmalz.com/video-jumboflex)

Details at a glance

Lift capacity up to 50 kg



- ① Lifting unit with protective tube
- ② Radio remote control SRC for vacuum generator (optional)
- ③ Two-button control for lifting, lowering and releasing the load (also optionally available as a single-button control)
- ④ Ergonomically designed operating unit with soft-touch elements
- ⑤ 90° swivelling mechanism (manual) for lateral suction of the load (optional)
- ⑥ Quick-change adapter for fast, tool-free gripper change
- ⑦ Continuously rotatable in 90° steps, can be locked
- ⑧ Suction cups adapted to the workpiece

The vacuum tube lifter JumboFlex is available in three sizes: 20, 35 and 50. Depending on the size, the JumboFlex can move lighter goods up to 20 kg, 35 kg or 50 kg ergonomically and at a high cycle frequency. Its optimized operating unit fits comfortably in the hand and can be operated by many people with different hand sizes and grips.

The unique two-button control allows the load to be lifted, lowered and released intuitively. The vacuum tube lifter reliably maintains the working height when released. Workpieces that have been sucked in from the side automatically swivel back to the horizontal and can be continuously rotated in this position. The JumboFlex is also available with optional single-button control.

These and many other functions of the vacuum tube lifter JumboFlex ensure constant work performance through ergonomic, back-friendly lifting and support smooth process flows.

SPECIAL FEATURES



JumboFlex Safety+

Particularly safe to use thanks to two-handed operation for detachment. Adjustable, reduced lowering speed, e. g. for sensitive components or for users with disabilities.



JumboFlex Quick-Release

Allows loads to be deliberately ejected during lifting by means of an additional ejection lever. For use in baggage handling at airports or similar applications.



JumboFlex Weight-Control

Lifting and weighing of workpieces in just one work step. Optimum process safety thanks to easily adjustable weight limits and visual feedback.

VACUUM GRIPPERS

A variety that inspires: Schmalz offers the right vacuum grippers for almost any application. Thanks to the optimized change mechanism, the vacuum grippers can be quickly and easily replaced as needed.



Round vacuum gripper
For compact goods such as cardboard boxes, barrels, buckets, jugs and cabinets.



Sack gripper
For porous, baggy workpieces or bags with a low fill level.



Double vacuum gripper
For stapled, glued, strapped or open cardboard boxes as well as small wooden boards.



Quadruple vacuum gripper
For larger cardboard boxes, wooden boards and other flat workpieces.



Multi gripper
Universal gripping of various cardboard box sizes and qualities with a minimum occupancy rate of 75 %.



Suspension hook
For mechanical suspension of buckets, jugs and other workpieces with a point from which to hang.



Box gripper
For KLT containers from all common manufacturers. Easy handling thanks to patented centering aid.

VACUUM GENERATOR



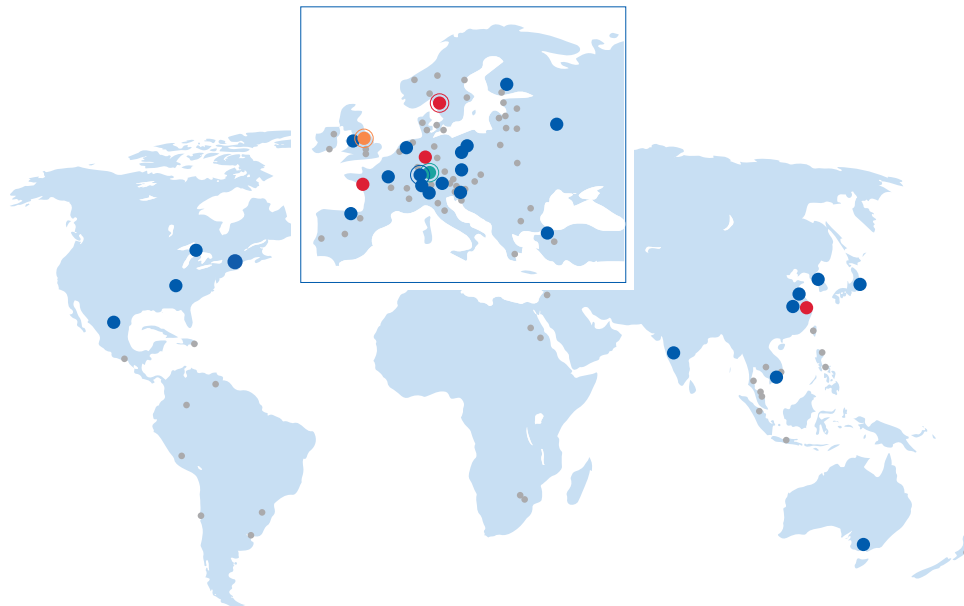
Pumpe EVE
Electric vacuum generator with short evacuation times and low power consumption.



Ejector SBPL
Basic ejector with maximum suction rate and low compressed air consumption (up to JumboFlex 35).



THE SCHMALZ GROUP – WORLDWIDE ON SITE



 **Germany – Glatten**

 **International companies:**

Australia – Melbourne
Austria – Pasching
Benelux – Hengelo
Canada – Mississauga
China – Shanghai
China – Taicang
Czech Republic – Hranice
Finland – Vantaa
France – Champs-sur-Marne
India – Pune
Italy – Galliate
Japan – Yokohama
Mexico – Querétaro

Poland – Bydgoszcz
Poland – Poznan
Russia – Moscow
South Korea – Anyang
Slovenia – Vrhnika
Spain – Erandio
Switzerland – Nürensdorf
Turkey – Istanbul
United Kingdom – Manchester
USA – Boston
USA – Raleigh
Vietnam – Ho Chi Minh City

Binar Handling

 **Sweden – Trollhättan**

 **International companies:**


China – Shanghai
France – La Haie-Fouassière
Germany – Staufenberg

 **Palamatic**

 **United Kingdom – Chesterfield**

 **GPS** GESELLSCHAFT FÜR PRODUKTIONSSYSTEME

 **Germany – Stuttgart**

 **Sales partners**

Vacuum Automation

WWW.SCHMALZ.COM/AUTOMATION

Handling Systems

WWW.SCHMALZ.COM/HANDLING-SYSTEMS

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


linkedin.com/company/schmalz


schmalz_group


schmalzmediacenter