



## Vacuum Tube Lifters

There's a simple answer for the perfect way of handling - the tube lifters by FEZER.

The FEZER tube lifters provide intelligent solutions which are simple, ergonomic and child's play to operate. Suitable for lifting sacks, cardboard boxes, drums, plates and many more up to a weight of 200 kg.

No additional lifting aids like chain hoists or wire balancers are required as you can use the same medium for engagement and lifting – vacuum.

The FEZER tube lifters are a simple and safe handling device that provide an enormous extra benefit regarding economy, ergonomics and safety combined with comparably low investment costs.

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## Vacuum Tube Lifters

### Introduction

### Engagement and Lifting rolled into one

The FEZER tube lifters provide intelligent, efficient and above all extremely simple-to-operate handling devices. With just one hand the devices can be lifted or lowered. The operator himself can decide what speed he wants for the handling process.

The FEZER tube lifters are an absolutely safe handling device to master engaged loads. Even in case of a power failure the loads are not just dropped off, but are lowered slowly to the ground. To achieve this an integrated non-return valve is installed in the upper turning head.

The required vacuum is built up by powerful, low-maintenance and robust vacuum generators like oilless vacuum pumps, belt-driven blowers or multi-stage ejectors that run on compressed air.

The unique modular system allows to adapt the FEZER tube lifters to your individual requirements in a simple way. A multitude of suction feet is available to allow the transport of different goods. Extensions for the control handle, turning and swivel features and various adaptations are available to adjust the tube lifters to personal needs and requirements.



### Tube Lifters in Action

- 1** VacuPowerlift for handling sacks
- 2** VacuQuicklift for commissioning of beverage boxes
- 3** VacuQuicklift for handling cardboard boxes
- 4** VacuPowerlift for handling boxes up to 60 kg



### VacuQuicklift – faster ain't possible

The new vacuum tube lifter VacuQuicklift unites many advantages. The control lever incorporates all functions – engagement, lifting, lowering and release

The unique „quick-release-system“ automatically lifts off the VacuQuicklift on release; tilting is no longer necessary.

This allows for the VacuQuicklift to work incredibly fast and guarantees shortest cycle times. Ideal if boxes, containers or crates have to be commissioned or restacked.



### VacuQuicklift in Action

- 1 VacuQuicklift with double suction foot for cardboard boxes
- 2 Commissioning of boxes with the VacuQuicklift
- 3 VacuQuicklift with mechanical crate gripper
- 4 Handling moulded components with mechanical gripper



Vacuum Tube Lifters

VacuQuicklift

VacuQuicklift – just handy

The VacuQuicklift is available in two basic designs. On the one hand for strictly horizontal lifting, on the other hand with manual swivelling which allows to manually tip over workpieces. In both cases the VacuQuicklift is controlled with only one control lever which makes the handling very easy and ergonomic. With the free hand the loads can be manoeuvred to the required place. The VacuQuicklift not only relieves the daily work, but also increases the ergonomomy and the profitability in many areas.

- Commissioning, placing cardboard boxes in and out of storage
- Handling canisters, containers and small drums
- Handling baggage in airports
- Handling sacks and packages
- Handling plastic moulded parts



Carrying capacity		VPL 80	VPL 80-90	VPL 100	VPL 100-90
on dense/porous material	(kg)	25/20	25/20	35/30	35/30
Pump/blower					
on dense/porous material		T 4.25	T 4.25	T 4.25/T 4.40	T 4.25/T 4.40
Technical data					
Handling		horizontal	horizontal/swivelling	horizontal	horizontal/swivelling
Tube diameter	(mm)	80	80	100	100
Lifting speed	(m/min)	30 ... 50	30 ... 50	30 ... 50	30 ... 50
Tube length	(mm)	2.500	2.500	2.500	2.500
Total height	(mm)	2.750	2.750	2.750	2.750
Max. stroke of lifting tube:	(mm)	1.750	1.750	1.750	1.730
Noise level	dB(A)	< 65	< 65	< 65	< 65

VacuQuicklift in Action

- 1 Commissioning of beverage boxes
- 2 Unloading cardboard boxes
- 3 Handling crates
- 4 Handling plastic canisters with mechanical undergripper

VacuQuicklift - Accessories and Options

There is a variety of standard elements available that allow to adjust the VacuQuicklift easily to individual applications. See the multiplicity of the VacuQuicklift for yourself and find the proper solution for your handling task.

- Single suction feet in flat and bellows design as well as for sacks
- Double and fourfold suction feet with adjustable suction pads to adjust to different workpiece dimensions
- Special suction feet for special applications
- Quick-change couplings for fast exchange of various suction feet without need to interrupt the operation
- Vacuum generators with silencer for noise reduction by 5 dB(A)
- Remote control to switch the vacuum generator on and off, straight from the control housing
- Endless rotation feature for stacking workpieces at various angles



VacuQuicklift for horizontal handling



VacuQuicklift with swivelling



Quick-change coupling with bayonet connector and arrests



Endless rotation feature with arrest



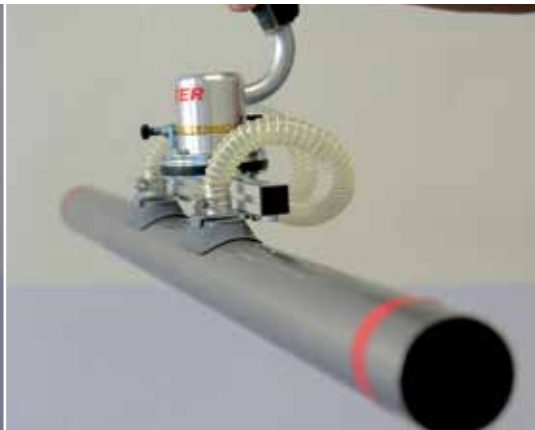
Vacuum generator with silencer box to reduce the noise level



Remote control to switch the vacuum generator on and off



Canister gripper with balancer valve



Special suction foot for tubes



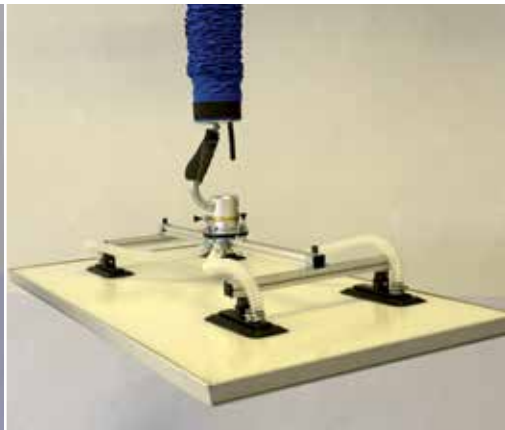
Single suction foot for sacks



Single suction foot in bellows design



Double suction foot with adjustable suction pads on main beam



Fourfold suction foot with adjustable suction pads on main and cross beams