

Product summary

FEZER
VACUUM · TRANSPORT · ENGINEERING
AUTOMATION · TECHNOLOGY



All's easy with vacuum !

Exciting Perspectives !





The company!

Today the FEZER company presents itself as a modern dynamic enterprise and our know-how and innovative energy are recognized all over the world. High-quality products, uncomplicated systems and convincing customer service are the qualities of FEZER and guarantors of your success. These are qualities coming from our creative and committed employees, decades of experience and our consequent quality management.



Well- planned is half won!

There is no question that our products are high-quality products! But these products also have to be well-planned and well-installed. Efficiency, rationality and simplicity of the systems are what counts most for us. Due to the close working relations of our sales managers and engineers, our products are constantly adjusted to rising demands and new solutions are worked out.



Our philosophy!

Again and again we set new standards in vacuum transport engineering through permanent market-oriented development. In all endeavors, the customer is always the center of our attention. His individual problems and his requirements are our incentives for achieving ever higher peaks of performance. For us, the communication with our partners is the source of increasing knowledge and new ideas.



Development and Construction!

Qualified Engineers working on modern CAD working stations realize all solutions. With innovation and team spirit market demands are quickly converted and integrated into the existing systems. Supported by a future-oriented PPS- system all components can be brought together in time, so your appointments will be kept to!



Our quality awareness!

In order to meet this high standard, FEZER is certified in accordance with DIN ISO 9001. Regular internal audits put all company operations to the test in regard to efficiency and effectivity. The standards are set by the demands and wishes of our customers and the suggestions of our employees.



24- hour delivery!

To us service means a high availability of products. As a result of this almost all articles are in stock and will be delivered within 24 hours. With our modern and flexible manufacturing even special products can be realized within shortest time. Our competent sales team gladly informs you about delivery times or supports you in the selection of alternative solutions.



www.fezer.de - all information!

Here you will find what you need and what you are interested.

- Information about our company
- our complete product range
- our activities of exhibitions
- News
- Sales
- contact-service



Always there for you!

The specialists from manufacturing and mounting are always there for you! Wherever a product of FEZER or a unit with FEZER products are equipped, our service engineers support you in the arrangement, installation, initiation and during maintenance. Only optimally installed and maintained products will also produce optimal results and therefore can guarantee that everything runs smoothly in your company!



Suction cups

If small hardware items should be treated carefully, gently and precisely, the **FEZER** suction cups are the right ones. You will find the fitting size and the correct material for almost every field of application, from 2 mm to 100 mm in diameter.



Suction plates

Heavy steel sheets or oversized big sandwich elements. Here you will find the optimal suction plates for every transporting problem. From a diameter of 100 mm up to rectangular suction plates with a dimension of 450 x 850 mm and a max. holding force of 15.000 N **FEZER** offers the right suction plates for almost every case.



Fixing elements

It depends on the correct suspension. If rigid or cardanic, spring-loaded or non-spring-loaded, the suspension has essential influence on the functionality. It is decisive whether the suction cups or suction plates are arranged individually or in a group.



Vacuum generators

In addition to the suction cups and suction plates they are the heart in the vacuum circle. The porosity of the work piece as well as the number of suction cups/ plates is decisive for the dimension of the vacuum generator.



Ejectors

Ejectors work in accordance with the Venturi principle exclusively with compressed air. Therefore they can be mounted in any discretionary position, they are maintenance free and can be used for operation in an ex-proof area.



Vacuum control valves

The right component for each task. There are a wide range of 2/2- or 3/2-way valves available for the vacuum control itself, as well as vacuum regulating valves for adjusting a particular operating vacuum.



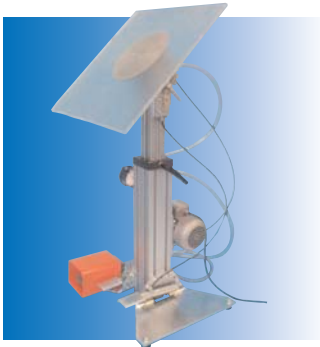
Filters and accessories

The importance of filters and accessories is often underestimated. To a secure and dimensioned vacuum system also belongs a secure and optimally designed vacuum distribution. Especially vacuum-sealed connections and threaded joints as well as air free from dirt particles are a part of this.



Measuring instruments

You will be able to use both electro-nical and mechanical Vacuum switches in order to monitor the vacuum or to control other components.



VacuStand VS I

Ergonomic working of all sides of work pieces with a dense surface like wood, plastic, glass or stone plates. The working stands are made of aluminium are adjustable in height; as an option we offer foot controls for swivelling and rotation of the work pieces.



VacuStand VS II

For work on large and heavy plates like joiner's plates, door elements or frames. The work stands are adjustable in height and can be swivelled by 90° in both directions. Foot controls available as an option.



VacuPowerlift

The VacuPowerlift offers an intelligent solution for almost any handling task. And you can literally kill two birds with one stone since the VacuPowerlift requires just one medium for the engagement and lifting operation: vacuum. Shown here is the handling of building plates with a weight of 60 kgs.



VacuPowerlift

Tube lifter with a special grip unit for removing glass panes from a cantilever shelf. The glass panes are only set on the frame and are kept in place without vacuum.



VacuPowerlift

Tube lifter for the transport of gluelam beams up to a length of 8 metres and a weight up to 120 kgs. The device works solely with a mechanical transport unit which grips and transports the gluelam beams.



VacuPowerlift

Tube lifter for the handling of sacks. A powerful blower effortlessly allows to engage and transport sacks with several layers. For the use in agriculture and concrete industries and many more.



VacuPowerlift

Tube lifter for horizontal and vertical transport of plastic plates. The swivel operation is supported by a pneumatic cylinder. The pneumatic line runs inside the lifting tube. The maximum carrying capacity is 25 kgs.



VacuPowerlift

Tube lifter for the transport of drums. The lifter is connected to a suspension rail system, thus covering a working area of 4 x 3 metres.



VacuPowerlift

Tube lifter for the transport of cardboard boxes in a packing station. The blower is positioned separately on the floor. The vacuum is fed into the system from a distances of 20 metres.



VacuPowerlift

Tube lifter for the horizontal transport of solar cells. The cells leave the punching facility and are further worked on after a visual check.

Vacuum standard lifting devices



VacuBoyMini

Very light and handy device with an own weight of only 20 kgs. For horizontal and vertical transport of inherently stable materials up to 300 kgs, especially for dense and smooth stone plates, barrels and drums, glass and all other dense materials.



VacuBoyVario

Very light and variable device for horizontal and vertical transport of loads up to 500 kgs. The suction plates are suspended from ropes which allows an optimal adjusting to various work piece forms. Especially suitable for glass panes and window elements.



VacuBoy

Innovative vacuum load lifting device in a modular construction system for loads up to 2.000 kgs. Universally applicable for different materials like sheet metals, glass, aluminium, plastic and many others. Suitable for horizontal transport.



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VacuBoy - 90E

Models with manual- and electric swivel attachment. Suitable to engage vertically standing panels and to turn them in order to deposit the panels in horizontal position. Depending on the weight of the material the vacuum lifters can be equipped with electric cylinder or with geared motor with tooth segment.



VacuBoy - 180E

Lifting Device for swivelling (90°) and turning (180°) of large sheet metal plates. Plates can be engaged in either horizontal or vertical position. All suction plates can be adjusted in longitudinal- and cross direction. Suction plates which are not required can be switched off through manual ball valves.



VacuCoil

For the rational and careful handling of coils and split strip rings. Suitable for various diameters and weights. With transparent suction plates or plates with windows.



VacuCoil-90E

For the rational and careful handling of coils and split strip rings. The 90° tilting mechanism makes this device suitable for feeding machines which are equipped with an arbor.



VacuWood

Type VWB: suitable to transport planks and woods up to a length of approx. 6 meters and a weight up to max. 500 kgs.

Type VWLB: especially suitable to transport very long woods and glulam beams with lengths exceeding 20 meters and with a weight up to 1.500 kgs.



VacuPoro

Vacuum load lifting device for the transport of air-permeable and porous materials like particle boards and MDF-plates. A vacuum blower with deceleration flywheel guarantees a high safety standard also in case of a power failure. The unit is available in a horizontal and tiltable design.



VacuGiant

Suitable for the transport of large transport goods with a length of up to 10 metres and more. Through the adjustment possibilities of the suction plates the beam can be adjusted effortlessly to each work piece measurement and a safe and gentle transport is guaranteed.



VacuGiant

Due to a multitude of options the VacuGiant can be adopted in an optimum manner to your production requirements. The dimensions of the device can be selected individually due to the different lengths of the suspension-, main- and cross beams.



VacuGiant

This model is especially suitable for the horizontal transport of heavy loads with a high inherent stability and with comparatively small dimensions. These loads have a very high metre weight, such as e.g. steel slabs, armoured doors, concrete elements etc.



VacuGiant

Vacuum lifting device for the horizontal and vertical transport of sandwich elements with lengths of 6 to 12 metres and a weight of up to 1.200 kgs. To adjust to the various lengths the main beams are telescopic and can be extended by 3 metres.



VacuGiant

These vacuum beams are especially designed for use in rough operation areas, such as in rolling mills or shipyards. By means of a chain suspension extremely wavy or uneven work pieces can be transported in a safe manner.



VacuGiant

Vacuum lifting device for swivelling of sandwich elements up to a length of 12.000 mms. The vacuum is created by two blowers. The swivelling is effected by two gear motors.



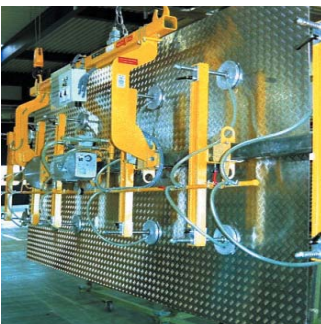
Vacuum-load-lifting-device

As soon as the plastic has been hardened the complete cap will be taken from its mould and lifted. After that the cap will be turned by 90 degrees from horizontal to vertical position in order to check the underside of the cap. The cap will be then turned back to horizontal position and deposited.



Vacuum-load-lifting-device

Vacuum Load Lifting Device to load and unload bars on a sawing machine. The vacuum lifter is equipped with special suction plates, so that bars and tubes with different diameters as well as square profiles can be transported in a safe manner.



Vacuum-load-lifting-device

Vacuum lifting device for engagement and swivelling of structured aluminium plates with maximum dimensions of 8.000x 2.500 mms. The plates are taken from an a-block and swivelled into the horizontal position.



Vacuum-load-lifting-device

Energy-independent vacuum lifting device for loads of up to 4.000 kgs and suspension on a mobile car crane. The energy supply is effected by a power generator mounted on the lifting device.

Crane and suspended rail systems

Automatic transport units



Wall- and column slewing jibs

Wall- and column slewing jibs in smooth aluminium design with carrying capacities of up to 250 kgs for light handling tasks. Preferably to be used with a VacuPowerlift. They can be mounted on walls, supports or directly on the floor.



Wall- and column slewing jibs

Wall- and column slewing jibs in steel design for heavy handling tasks. The crane systems are especially suitable for the lifter series VacuBoy for loads of up to 2.000 kgs.



Suspended rail systems

Suspended rail system in smooth aluminium design for manual operation of vacuum lifters up to 500 kgs. The system can be suspended from the ceiling, steel or wooden beams or from special constructions manufactured to fit your individual requirements.



Suspended rail systems

Suspended rail system in connection with the VacuPowerlift. Width of up to 8 metres and lengths of up to 40 metres can be realized. Thus you can cover working areas of more than 300 m².



VacuMat

The VacuMat not only effortlessly lifts loads but also allows them to be manoeuvred and deposited accurately. No matter if the loads have to be taken from a cantilever shelf, from a stack or from the vertical position - the VacuMat always cuts a fine figure. Up to a load of 200 kgs.



LiftFix - rigid lifting column

Suspended rail system with rigid lifting guide made of all aluminium. The rigid lifting guide allows to engage and deposit loads accurately. Stroke lengths of up to 2.000 mms and load torques of up to 1.500 Nm for off-centre engagement are possible.



Automatic unit VacuTrans

Automatic vacuum transport unit to transport design solid wood and gluelam beams. After the gluelam beam has been planed it will be transported on a roller conveyor underneath the vacuum transporting unit. As soon as the manual repair of knotholes and cracks has been finished, the operator of the unit starts the automatic transport of the gluelam beam.



Automatic unit VacuTrans

Cut plastic plates from an extruder plant are accelerated away and positioned through a belt conveyor and subsequently unstacked by the vacuum unit. The stacking accuracy is +/- 1 mm. The suction frame is equipped with an electric adjustment apparatus which pulls the multi-use plates apart during the transporting operation.



Automatic unit VacuTrans

Fully automatic commissioning line for aluminium coils. The coils are being taken from a central store and commissioned according to the orders. Several pick-up positions can therefore be approached with the unit. The individual suction circuits will be controlled through flow valves.



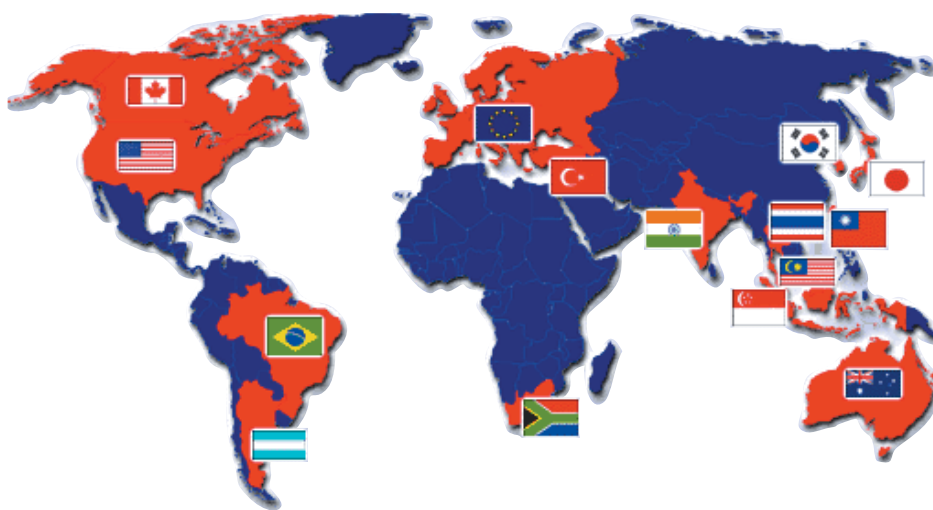
Automatic unit VacuTrans

This unit engages vertically standing aluminum split coil rings with different diameters, turns them to horizontal position and deposits them on scales. The weighed coils are engaged by a second vacuum carriage and deposited at a stacking point. The two-carriage solution made it possible to more than halve the cycle time.

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VacuHandling -



- worldwide exciting perspectives !

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