

CLAD-TEC

Transport, turn and swivel glass panes and windows weighing up to 1,000 kg: The strong glass lifter for the building site.



LIFTING
FIXING MOVING
VACUUM LIFTING TECHNOLOGY

LIFTING FIXING MOVING

VACUUM LIFTING TECHNOLOGY

HANDLING GLASS AND WINDOWS?
THE CLAD-TEC IS PRECISE AND SAFE.

The all-rounder among vacuum glass lifters: CLAD-TEC.

How do you transport glass panes and windows on building sites? The materials are usually expensive and very sensitive. When handling glass, therefore, the highest level of safety should be ensured. The AERO-LIFT CLAD-TEC impressively meets these requirements. With our powerful and flexible glass lifter, different loads can be lifted and moved into the desired position - safely, quickly and precisely.

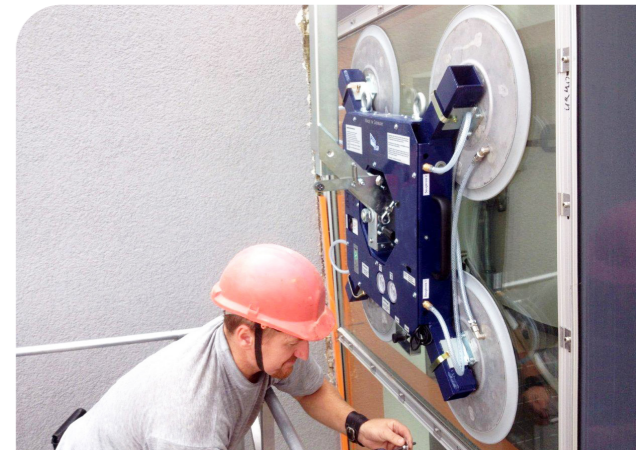
WITHOUT PHYSICAL STRAIN:
ERGONOMICS AT THE WORKPLACE.

The CLAD-TEC was specially developed for tough use on construction sites. Featuring a load capacity of up to 1,000 kg with a low dead weight, the glass lifter is a real powerhouse. The vacuum lifting device is designed in lightweight aluminium construction for use on a truck-mounted crane for both horizontal and vertical transport. For working between the facade and the scaffolding, the vacuum lifter can also be used without a suspension arm. In addition to optimal securing of the transported goods, this also relieves your employees: ergonomic working thanks to the strong helper from AERO-LIFT.

The CLAD-TEC is characterised by these features:

- **Powerful battery:** Due to the energy-saving control system, one battery charge can perform approx. 300 lifting operations. The battery capacity of the vacuum lifter can be read directly on the device at any time. A quick charger is integrated.
- **Maximum safety:** warning horn, non-return valves and monitoring system included. A four-circuit safety system with independent vacuum circuits ensures maximum safety.
- **Rotating and swivelling:** The vacuum lifting device can be rotated 360° in a horizontal position and mechanically locked in eight positions. In addition, the glass pane can be tilted steplessly up to 90° and also locked in a vertical position.
- **Durable suction plates:** The suction plates made of EPDM rubber, are specially designed for outdoor use, temperature and UV resistant. This is why they are optimally perfectly for use on the construction site. The plug-in attachment enables on-site replacement.
- **Easy transport:** Suction plates can be attached in seconds. Quick-change couplings ensure that all vacuum hoses can also be mounted and dismantled safely - for minimum assembly and disassembly times.
- **Everything under control:** A switch for the suction/release function. In the suction position, the warning device is automatically activated and the vacuum pump switched on. A safety interlock prevents accidental switching.

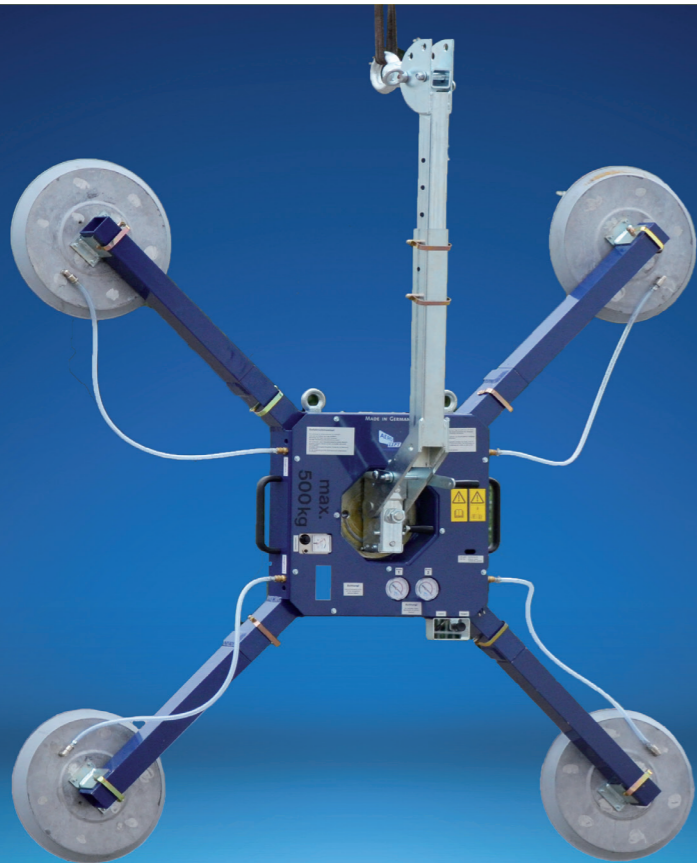
CLAD-TEC



CLAD-TEC 500

ROBUST, RESILIENT, FLEXIBLE: GLASS TRANSPORT FOR YOUR CONSTRUCTION SITE..

Window glass is both expensive and very sensitive. That is why we have placed great emphasis on safety in the development of our CLAD-TEC vacuum lifter. Four completely separate vacuum circuits ensure that even if a suction plate or vacuum hose is defective, the load is still held securely. Thanks to plug-in extension arms, the suction plates can always be individually adapted to the size of the pane.



Vacuum lifting device AERO 500/4R-12V-ZK

Item number: 1016060

Load capacity: 500 kg at 50% vacuum

Transport type: vertical and horizontal transport

Operating conditions: outdoor and indoor use, construction site use

Dimensions: 1050 x 1050 mm (suction plate arrangement on the lifting frame)

2000 x 2000 mm (with extension arms)

Material: lifting frame and extension arms: aluminium, RAL 5003, telescopic boom: steel, galvanised

Suction plates: 4 pieces AL 410R, Ø 410 mm

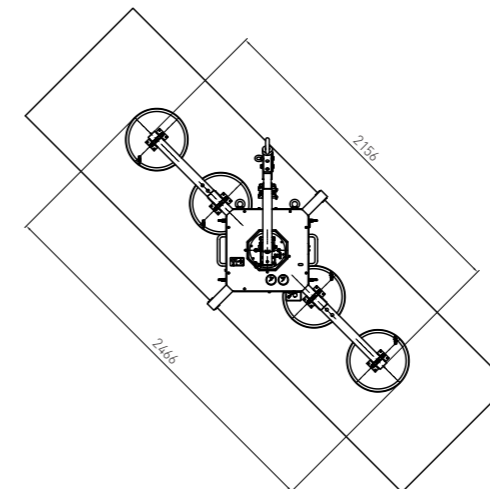
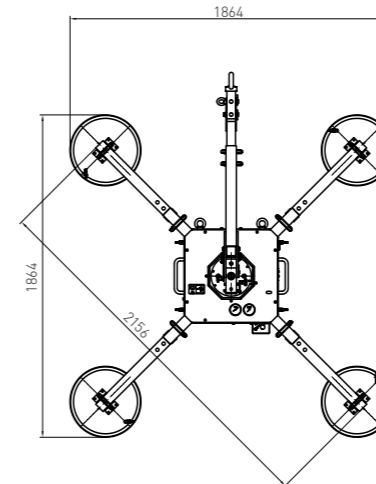
Dead weight: 42 kg

Power supply: battery 12 V / 7,2 Ah

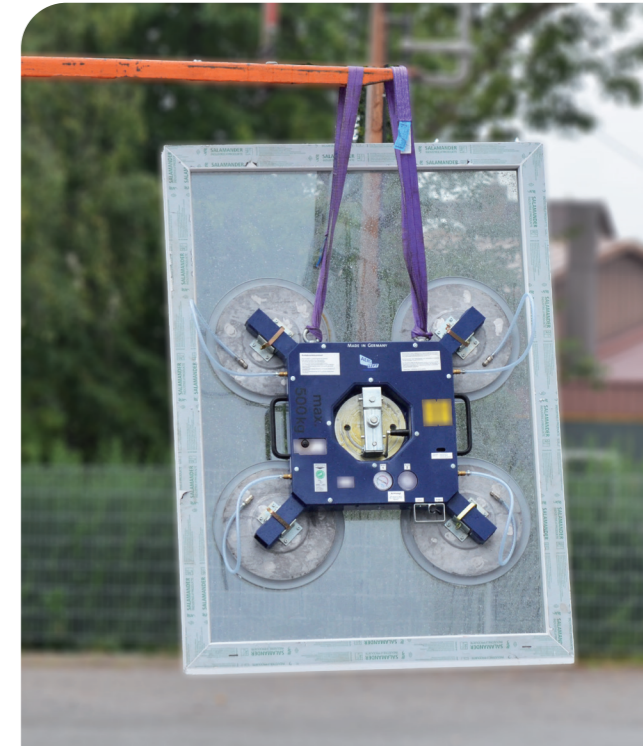
Charging station: built into the unit

Charging voltage: 230 V / 50 Hz

Duty cycle: approx. 300 suction operations per battery charge



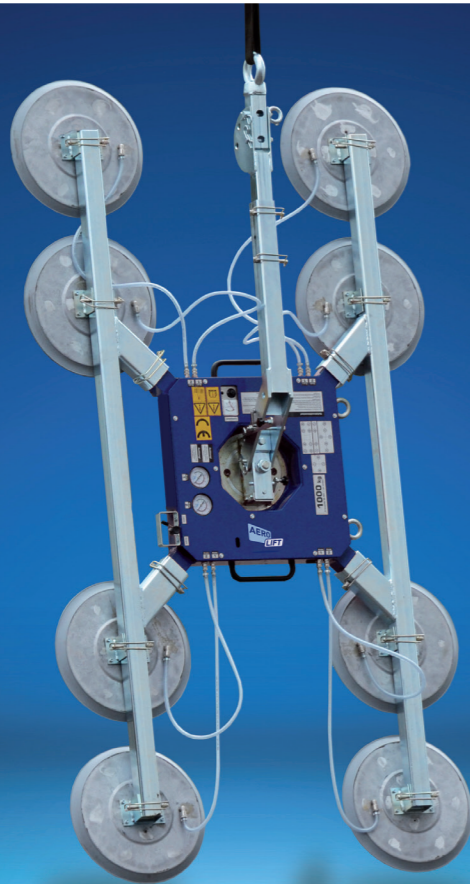
TECHNICAL DATA



CLAD-TEC 1000

THE PERFORMANCE UPGRADE: GLASS TRANSPORTS UP TO 1000 KG.

The CLAD-TEC 1000 is not only the logical development of its „little brother“. By adding four suction plates, the load capacity of the glass lifter can be doubled. In addition, larger windows and glass plates weighing up to 1,000 kg can be transported, turned and swivelled without any problems. This reduces the workload of your employees and ensures that your materials are transported safely. A real workhorse for your construction site!



Vacuum lifting device AERO 1000/8R-12V-ZK

Item number: 1016061

Lifting capacity: 1,000 kg vertical at 50 % vacuum, 500 kg horizontal 50% vacuum

Operating conditions: outdoor and indoor use, construction site use

Dimensions: 2355 x 1265 mm

Material: Lifting frame and extension arms: Aluminium, RAL 500, telescopic jib and extension arms
crossbars: steel, galvanised

Suction plates: 8 pieces AL 410R, Ø 410 mm

Power supply: 2 batteries 12 V / 7.2 Ah

Charging station: built into the unit

Charging voltage: 230 V / 50 Hz

Duty cycle: approx. 300 suction operations per battery charge

Highest safety standards

As with its little brother, a four-circuit safety system is built into the CLAD-TEC 1000. In the event of failure of one pump, the other vacuum circuits ensure that the vacuum is maintained and thus the highest level of safety for tough outdoor use.

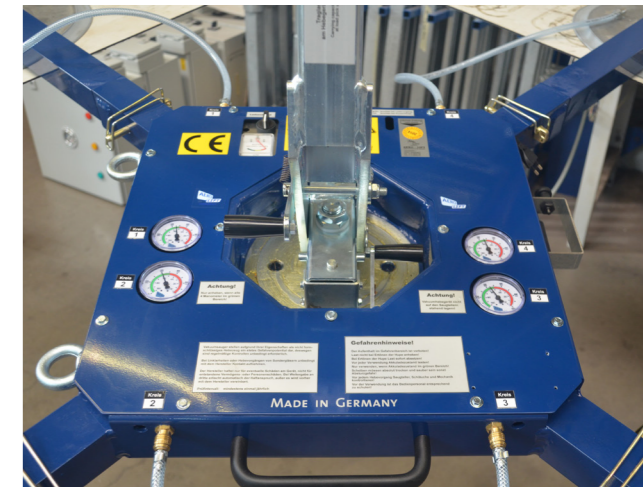
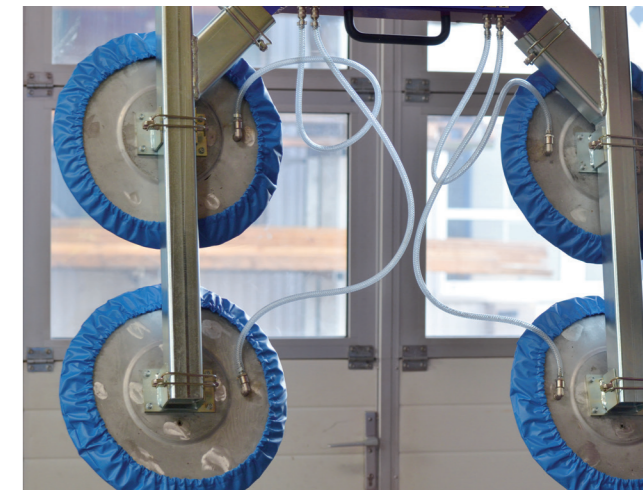
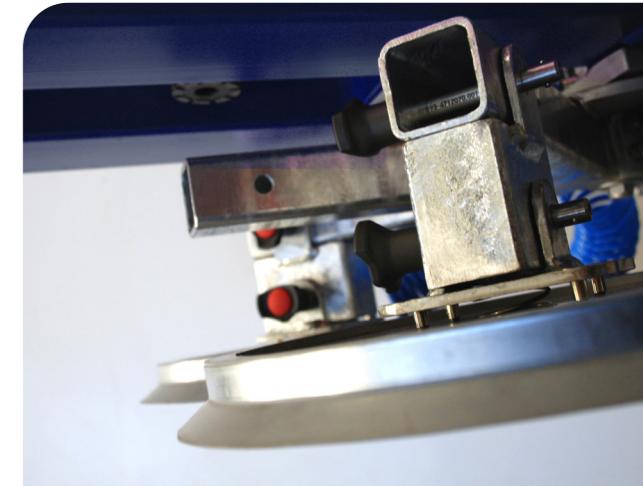
Four additional suction plates

For a total load capacity of 1,000 kg when transporting glass panes vertically, the CLAD-TEC is extended by four additional suction plates.

Additional push-on traverse

For large loads of up to 1,000 kg, a slip-on cross beam is fitted which can be mounted and dismantled as required. For additional flexibility on the construction site!

TECHNICAL DATA



AERO-WINDOW 300 / 500

WINDOW PRODUCTION MADE EASY: THE GLASS LIFTER FOR INTERIOR USE.

The AERO-WINDOW is the ideal vacuum lifter for the vertical transport of window elements and glass panes weighing up to 300 or 500 kg. Suspended from a crane, the indoor device is particularly suitable for window production. Panes of up to 500 kg can be transported easily and quickly by just one person, without damaging the material. This increases the efficiency of your production and reduces the workload of your employees in the long term.



Vacuum lifting device AERO 300/4R-V-90°

Item number: 1030705

Load capacity: 300 kg

Type of transport: vertical transport

Operating conditions: indoor use

Dimensions: 600 x 446 or 253 mm, Ø 250 mm

Dead weight: 57 kg

Vacuum lifting device AERO 500/4R-V-90°

Item number: 1030706

Load capacity: 500 kg

Type of transport: vertical transport

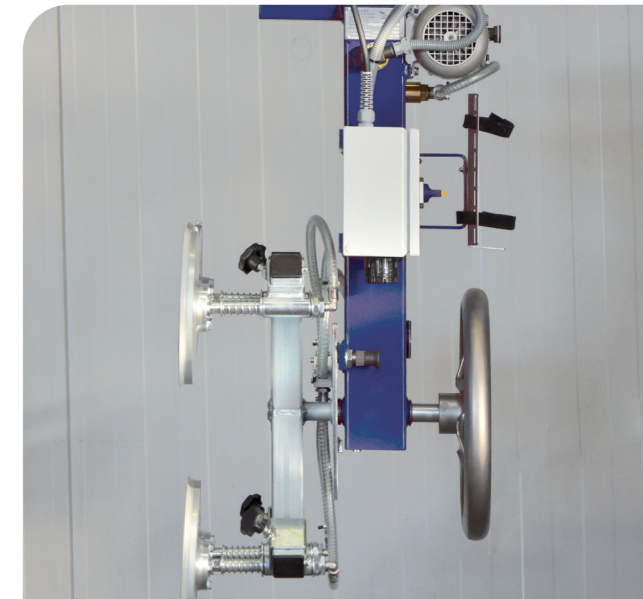
Operating conditions: indoor use

Dimensions: 785 x 46 or 275 mm, Ø 385 mm

Dead weight: 68 kg

- **Triple suspension eye:** This optimally balances the centre of gravity of the unit with different weights of transport goods.
- **Maximum safety:** The electronic warning device ensures constant monitoring of the power supply and the vacuum level.
- **Flexibility:** The load is turned manually by using of a hand wheel. This is equipped with locking pins for +/- 90 degrees in 45-degree increments, so that the desired position can be fixed easily.
- **Everything well in hand:** The hand slide valve with safety lock reliably prevents unintentional loosening of the load.
- **Low-pressure seals** fitted with a special grooved rubber pad ensure gentle transport of the glass panes.
- **Included:** suction plates spring-loaded and articulated, suction plate suspension adjustable, CEE plug with 3 m cable.
- **Optional:** lights (red/green) for warning device, crane holding bag for fixing the crane operating elements.

TECHNICAL DATA



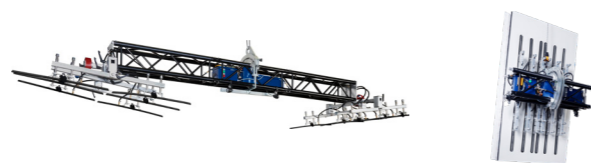
CLADBOY2.0 CLADLIFT CLADBOARD

LIFT, MOVE, BENEFIT: PROFESSIONAL EQUIPMENT FROM AERO-LIFT.

When it comes to safe lifting and moving, AERO-LIFT is the first choice of many craftsmen and construction companies. Our solutions are used on construction sites all over the world and ensure safe and efficient work there. Since our foundation in 1992, we have consistently relied on know-how and quality „Made in Germany“ - an advantage you can continue to rely on in the future.

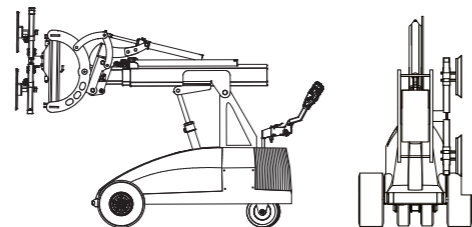
More powerful and versatile than ever: The new CLAD-BOY 2.0.

The CLAD-BOY 2.0 was specially developed for use on construction sites. Its sophisticated technology is extremely robust and defies even adverse conditions in any weather. At the same time, all systems are designed for maximum safety, so that safe working is guaranteed at all times. Sandwich panels and trapezoidal sheets with a length of up to 18 m are thus easily and precisely moved, rotated and fixed.



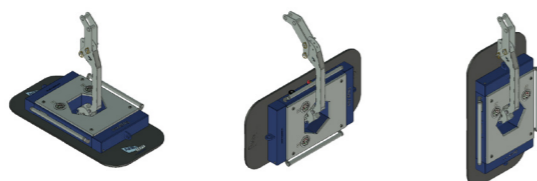
The expert among window robots: The CLAD-LIFT.

The CLAD-LIFT window robot series is the revolution in installation of windows from 350 to 1,000 kilograms. With a CLAD-LIFT 350, a single person can transport window batches of up to 350 kg without breaking a sweat or getting pain in the back. The boom can thus reach great heights as well as overcome obstacles such as hedges or gardens and is ideally suited for indoor and outdoor use as well as on construction sites.



Bringing movement to the job: The CLAD-BOARD.

Whether glass panes, windows, metal sheets or wall sandwich elements weighing up to 400 kg: the CLAD-BOARD lifts and moves everything. It can be rotated 360° in both directions and swivelled from horizontal to vertical - and vice versa. Thanks to the completely new suction plate with four independent suction chambers, your goods can move with you safely.



SUPPORT ON DEMAND: AERO-LIFT EQUIPMENT FOR RENT.

**Inexpensive, flexible, at short notice:
Simply rent AERO-LIFT products (only in Germany).**

Do you need one of our devices for a special order at short notice? Or would you simply like to convince yourself of the efficiency in practical use? Then take advantage of one of our rental offers. We will quickly provide you with the desired device and instruct you or your employees.

**Rent and benefit:
Your rental advantages at a glance.**

- No investment costs
- Expansion of your machine park according to demand/orders
- Uncomplicated rental and handling
- All-round carefree service - from consultation to instruction

**Simply select:
You can rent these AERO-LIFT units in Germany.**

- > CLAD-BOY
- > CLAD-BOY 2.0
- > CLAD-MAN
- > CLAD-LIFT 350 / 575
- > CLAD-TEC 500 / 1000

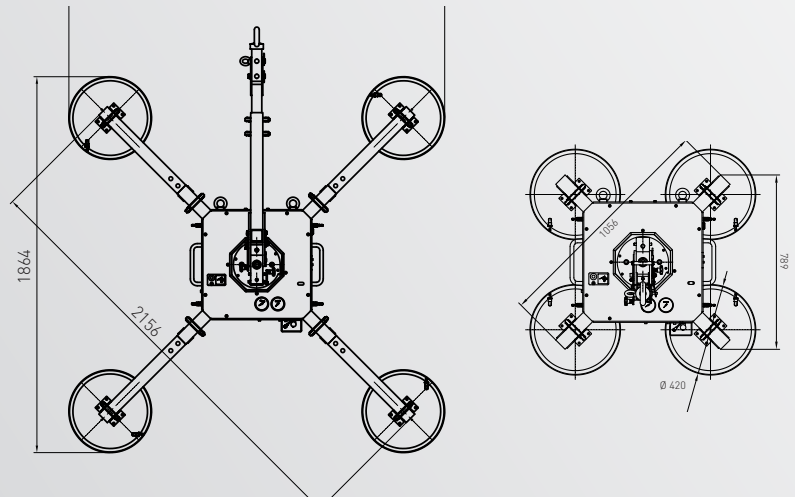
**Request now:
Your non-binding offer.**

If you would like to rent one of our units, we will be happy to make you a non-binding offer that is tailored exactly to your needs. Whether delivery or collection, set-up, instruction, additional equipment: Send us your enquiry and we will be happy to advise you on the possibilities offered by AERO-LIFT rental equipment.

- Advice and selection of the optimum AERO-LIFT unit for your task
- Individual rental period and scope
- Short-term provision within 3 days on request
- Self-collection or delivery directly to your construction site

Request now:
bit.ly/aero-lift-mietanfrage





- > AERO-LIFT vacuum lifting devices are designed and manufactured in accordance with the current safety standards as per EN 13155 and ASME B30, as well as tested and documented in accordance with the applicable accident prevention regulations BGR 500 and Machinery Directive 2006/42/EC, Appendix II A.
- > The final acceptance test is carried out in accordance with VDE 0113 and EN 60204.
- > We will be happy to determine the maximum achievable load-bearing capacity for your specific goods to be transported by means of a representative sample inspection at AERO-LIFT.
- > Welding work is carried out professionally in accordance with the specific standards.
- > A verifiable structural analysis is available.

Data, information (in particular also information on load-bearing capacity), illustrations, descriptions and dimensions are non-binding and are for illustrative purposes only. They have been checked with the greatest care. However, we accept no liability for incorrect or incomplete information, errors or misprints. We reserve the right to make changes. We reserve the right to make dimensional deviations due to production and material. Status: January 2021. 2081201 / 01.

AERO-LIFT
Vakuumtechnik GmbH

Turmstr. 1
 D-72351 Geislingen-Binsdorf

Fon: +49 (0) 74 28/94 514-0
 Fax: +49 (0) 74 28/94 514-38

info@aero-lift.de
 www.aero-lift.de

LIFTING
FIXING MOVING
 VACUUM LIFTING TECHNOLOGY