

Why Oktopus® GL-RN 400/600/800?










The OKTOPUS® GL-RN 400/600/800 is an ideal solution for handling glass panes and window elements, offering a remarkably low total weight of just 55 - 80 kg (depending on the specific equipment). This versatile device can manage loads up to a maximum of 800 kg.

For added flexibility, an optional suction pad adapter is available for curved panes. This feature allows for the handling of both convexly and concavely curved panes with bending radii of ≥ 1000 mm and a maximum weight of up to 320 kg.

To ensure optimal performance, the surfaces of the elements to be lifted must be air-impermeable, clean, and free from protective foil.



CONFIGURATIONS

-  Crane attachment
-  For even glass panes
-  For curved glass panes
-  Rotate 360°
-  Tilt around horizontal axis
-  Control panel at the device / cable remote control
-  Radio remote control
-  Manual operation
-  24V Battery

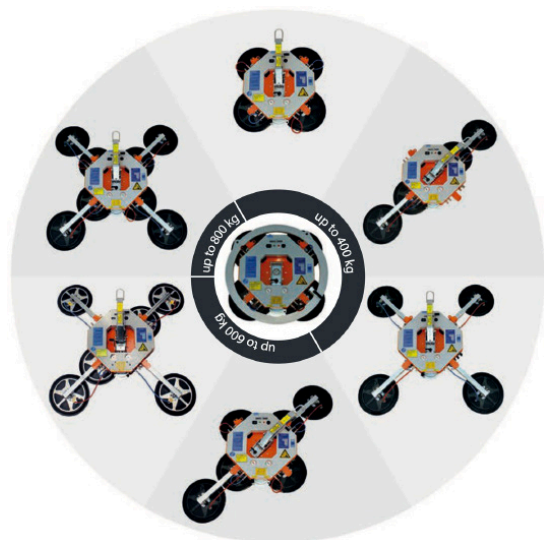
OVERVIEW

	Device / suction pads	maximum Working Load Limit		
Working Load Limit	4 suction pads Ø 400 mm (with and without guide ring)	up to 400 kg (flat glass panes)		
	6 suction pads Ø 400 mm	up to 600 kg (flat glass panes)		
	8 suction pads Ø 400 mm	up to 800 kg (flat glass panes)		
	14 suction pads Ø 200 mm	up to 320 kg (flat glass panes and curved glass panes)		
Weight	Depending on the equipment 55 kg - 80 kg			
Suction pads	4, 6 or 8 pieces Ø 400 mm for flat glass panes 14 pieces Ø 200 mm for curved glass panes			
Vacuum generation	Electrical vacuum pump			
Operation	Operating lever on the device			
Vacuum system	Dual-circuit system for construction site use			
Nominal pressure pneumatic system	-0,65 bar to -0,73 bar			
Power supply	24 V DC battery system			
Optional facilities and equipment	<ul style="list-style-type: none"> • Adjustable crane arm • Crane arm with hydraulic lowering cylinder • Blow-off function • Guide ring • Cable remote control • Radio remote control • Preparation of basic device for operating a counterweight balancer 			
	Optional equipment	<ul style="list-style-type: none"> • Adapter for handling curved glass panes (r => 1,000 mm) • Transport cart (two models available) • Plastic transport box with lid 		
		Movements	<ul style="list-style-type: none"> • Lifting and lowering: by the crane hook • Rotating horizontally: in the crane hook, manually 360° • Rotating suction frame: manually 360°, lockable in the grid every 45° • Tilting suction frame: manually 0-90° 	
			Extra technical details	<ul style="list-style-type: none"> • Deviations from the nominal condition are indicated by optical and acoustical warning devices • Integrated pressure switch control indicating malfunctions • Energy-self-sufficient indicator for interruptions in energy supply • Pressure switch controlled energy saving function to reduce pump running times and increase operating times of the devices • Extension arms allow handling of large-sized elements as well • Compliance with all criteria of DIN EN 13155 • CE mark according to European Machinery Directive 2006/42/EC

Why Choose OKTOPUS® GL-RN 400/600/800 Vacuum Lifters for Your Projects and Enhance Performance with Additional Accessories?

1. Versatile Glass Handling with Seven Configurations

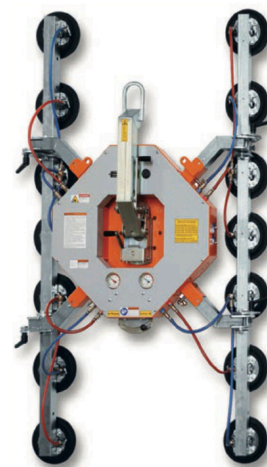
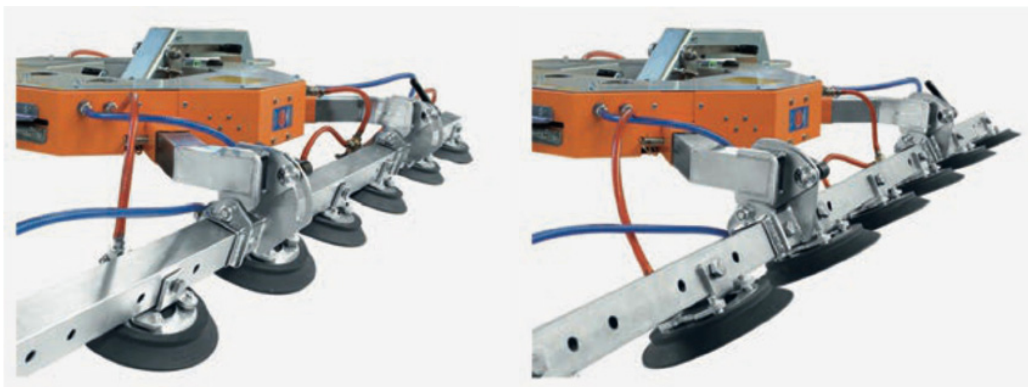
The OKTOPUS® GL-RN 400/600/800 offers seven configurations to handle glass panes efficiently. By adding suction pads and extension arms, you can increase its Working Load Limit from 400 kg to 600 kg, and up to a maximum of 800 kg. This adaptability makes it ideal for various glass handling tasks.

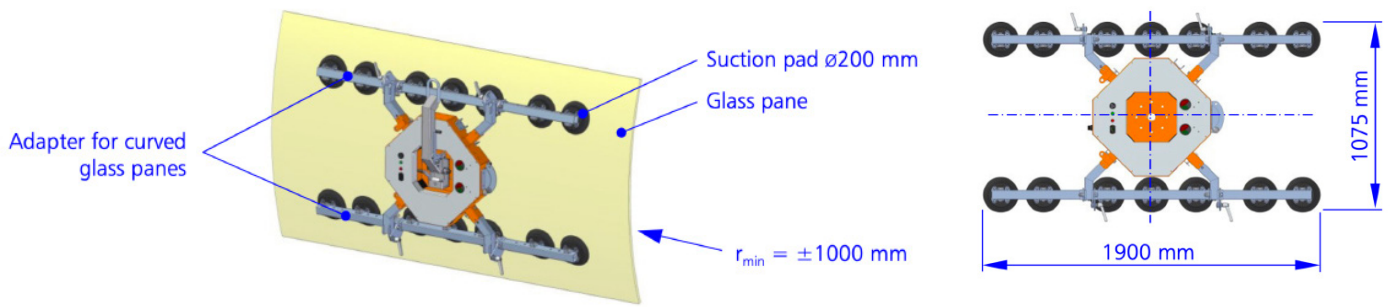


2. Adaptable Handling for Curved Glass Panes

The OKTOPUS® GL-RN 400/600/800 is designed for the adaptable handling of curved glass panes. Equipped with a specially designed adapter, it can manage both convexly and concavely curved glass panes with a radius of at least 1.0 meter, as well as flat glass elements. With 14 suction pads, this device ensures safe lifting and transporting of loads up to 320 kg. The total weight of the OKTOPUS® GL-RN 400/600/800 with the curved glass adapter is 75 kg.

The steplessly variable suction pad adapter allows suctioning convexly and concavely curved panes with radius ≥ 1.0 m.



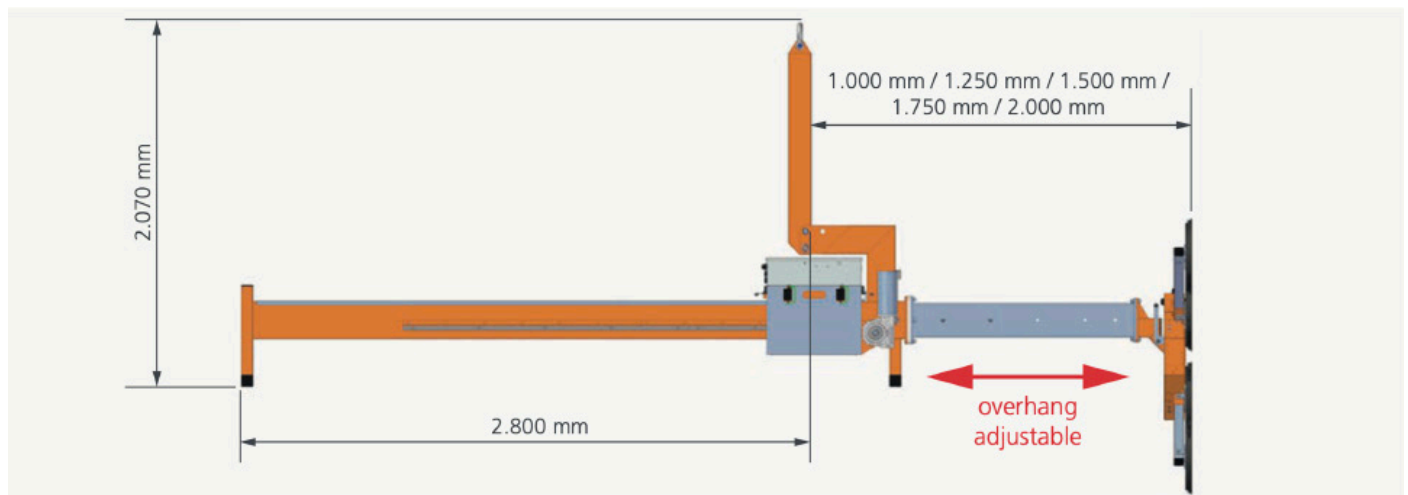


3. Superior Handling with Counterweight Balancer

Enhance your glass installation projects with the OKTOPUS® GL-RN 400/600/800 vacuum lifters combined with a counterweight balancer. This combination ensures safe and ergonomic installation of glass or window elements in challenging areas such as under canopies, balconies, and eaves.

The vacuum lifter can be directly connected to the counterweight balancer using an interchangeable adapter or mounted to the balancer's load hook, preserving its rotating and tilting functions. To ensure safety, the release function of the vacuum lifter is electrically coupled to the position of the balancer's traveling cage, maintaining a neutral, balanced position after releasing the load.

For added convenience, the OKTOPUS® GL-RN 400/600/800 vacuum lifters can be equipped with a function that controls the traveling cage of the counterweight balancer, providing seamless and efficient operation.



4. Efficient Glass Installation with OKTOPUS® GL-RN 400/600/800 Between Scaffolding and Façade

The OKTOPUS® GL-RN 400/600/800, with its impressively low construction height of only 140 mm (after removing the crane arm), is perfectly suited for installing glass and façade elements in the tight clearances between a building façade and scaffolding, which are typically only 30 cm deep.

For such installations, the GL-RN 400/600/800 can be mounted in two ways:

- 1. Shackles to Crane Eyes:** The device can be securely mounted with shackles to the crane eyes, providing stability and ease of handling (as shown in the image A).
- 2. Guide Rollers and Patented Guide Ring:** Alternatively, it can be rotatably mounted with guide rollers to a specifically designed and patented guide ring attached to the crane (as shown in the image B). This setup allows even long panes to be passed vertically through scaffolding anchors, then rotated and mounted horizontally with precision and efficiency.



Image A



Image B

5. Adaptable Crane Arm Options

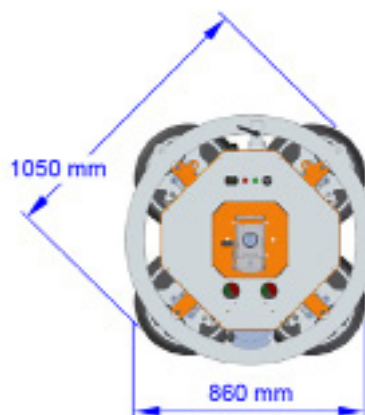
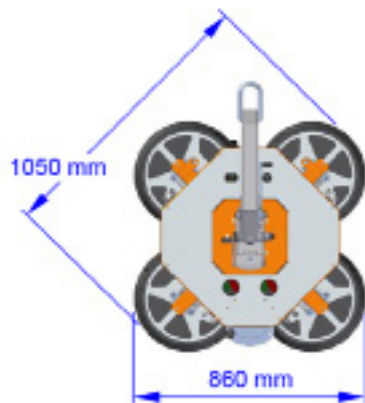
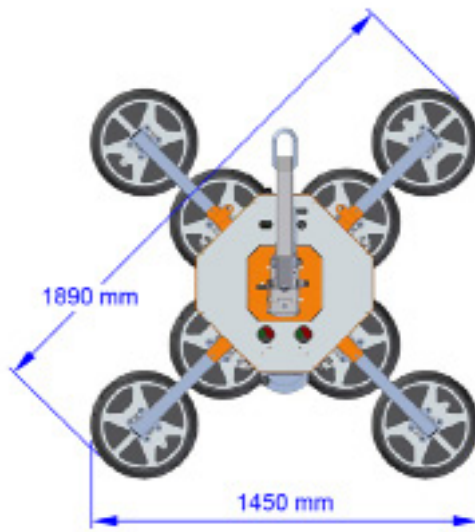
The OKTOPUS® GL-RN 400/600/800 vacuum lifters come standard with a short crane arm featuring a rigid crane eye. For enhanced adaptability, there are additional crane arm options available:

- 1. Height-Adjustable Crane Arm:** This arm includes a crane eye that can be adjusted in inclination, allowing for greater positioning flexibility.
- 2. Hydraulic Lowering Cylinder:** This crane arm is equipped with a hydraulically supported lowering cylinder and a stop valve, providing precise control during installation.

These options ensure that the OKTOPUS® GL-RN 400/600/800 can meet a wide range of project requirements, making it an adaptable choice for various glass and façade installation tasks.



DIMENSIONS



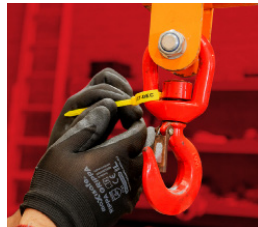
Lincer, Your Equipment Guardian.

Lincer's Services



Inspection and Testing

Our comprehensive Inspection and Testing services for vacuum lifting equipment, and material handling equipment are designed to safeguard your operations and workforce.



Schedule Maintenance

Our commitment is backed by a meticulous schedule, featuring periodic inspections, designed to proactively address any potential issues and keep your lifting equipment in peak condition.



Replacement Equipment

We offer replacement lifting equipment while yours is being serviced, ensuring your operations continue uninterrupted, keeping your projects on track.



Repairs

At Lincer, we specialise in top-tier repair services for lifting equipment. Our certified technicians are adept at addressing any damage, ensuring your equipment operates at its best.



Parts

Discover a comprehensive selection of high-quality lifting equipment parts at Lincer. We offer a wide range of genuine parts to keep your lifting equipment operating at peak performance. Shop with confidence and trust our expertise in providing reliable parts for all your lifting needs.

5 Reasons to choose Lincer

1

Peace of Mind

At Lincer, quality and safety are our top priorities. We provide best-in-class equipment to not just meet but exceed your expectations, ensuring peace of mind for every project.

2

Know-How

Backed by our professional team, which we consider our greatest asset, and fortified by strong industry partnerships, we deliver swift technical services and guarantee compliance with Australian standards, ensuring your operations run smoothly.

3

Lifecycle Management

Let us handle the entire lifecycle of your equipment. From initial sales to ongoing servicing, our end-to-end solutions are designed to optimise your operations and minimize disruptions.

4

Seamless Continuity

With Lincer, downtime is a thing of the past. We offer replacement lifting equipment while yours is being serviced, ensuring your operations continue uninterrupted.

5

Industry Affiliations

Lincer stays at the forefront of the lifting industry, keeping you informed with the latest technical, legal, and safety information. Thanks to our affiliations you can trust that you're always operating with the most up-to-date knowledge and standards.



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