

OKTOPUS® GLASS-Jack GL-CC 1000

Manipulator for lifting and moving of large-format glass-panels in combination with mini cranes



2-circuit system

For construction site applications according to DIN EN 13155

Use

Handling of flat and concave or convex curved glass panes on construction sites

Hoist

Mini crane

Suspension

Exchangeable crane adapter for the connection with booms of different mini cranes

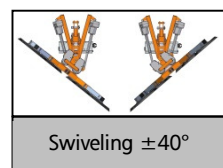
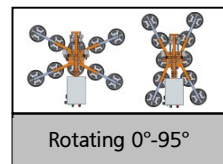
Material to be handled

Flat glass, curved glass (concave or convex, radius ≥ 1.5 m) and window elements

Verbal description

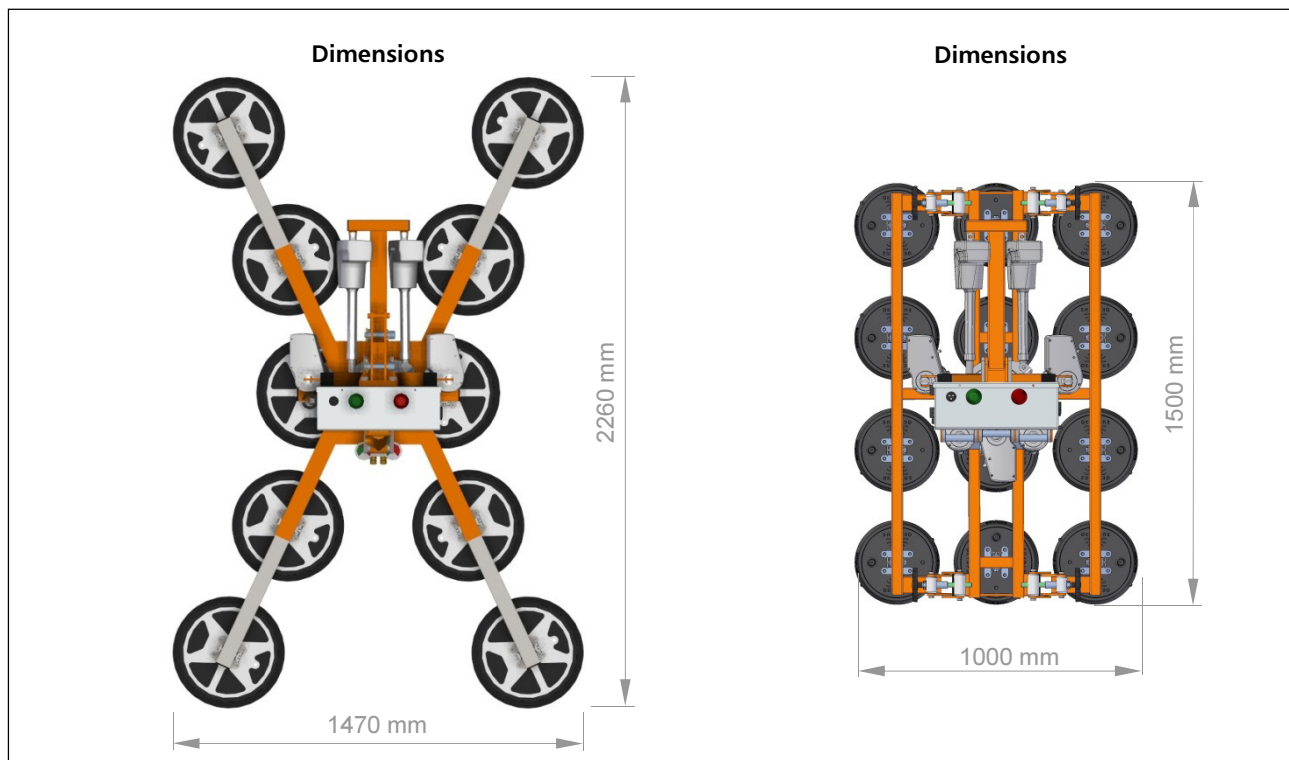
The vacuum based load lifting device OKTOPUS® GLASS-Jack GL-CC 1000 is suitable for the handling of glass panes and window elements up to a weight of max. 1000 kg on construction sites. Depending on the application, the OKTOPUS® can be equipped with suction frames for flat or for curved glass panes. In case of handling curved glass the lifting capacity depends on the bending radius, and thus on the size of the used vacuum cups, but is limited to max. 900 kg.

For rigid connection to booms of different mini cranes various connection adapters are available. Tilting of the suction frame by 120° as well as rotating by 95° and swiveling by $\pm 40^\circ$ is realized by electric actuators. All functions are controlled by a wireless remote control. A 24 VDC power-operated vacuum pump generates the necessary vacuum in the suction cups. Optical and acoustical signaling devices inform about deviations from the nominal condition. Even in case of complete failure of energy supply, the vacuum in each suction cup is ensured for more than five minutes to remove the load confidently.



Application data

Safe Working Load:	for flat glass max. 1000 kg / for curved glass max. 900 kg
Own weight:	for flat glass with 10 pcs. suction pads Wirth Ø 400 mm approx. 200 kg for curved glass e.g. with 12 pcs. suction pads Wirth Ø 300 mm approx. 210 kg
Lifting/lowering:	by crane
Movements suction frame:	
Rotating:	0 - 95°
Tilting:	0 - 120°
Swivelling:	±40°
Suction pads:	10 pcs. Wirth Ø 400 mm or 12 pcs. Wirth Ø 300 mm, other pads on request
Vacuum generation:	vacuum pump
Power supply:	quick exchange battery box with rechargeable battery, 24 V
Operation:	radio remote control
Colour:	RAL 2011 (Deep orange), RAL 9006 (White aluminium)



Subject to change.