



WIRTH  **GMBH**
EDGE PROFILES & VACUUM LIFTING TECHNOLOGY



OKTOPUS® ERGO-Jet

The new generation
of rigidly guided vacuum handling systems





OKTOPUS[®] ERGO-Jet

The ERGO-Jet is a vacuum handling system that uses compressed air. It is designed for the safe and ergonomic in-house handling of panels made from glass or other materials.

The advantages of the ERGO-Jet:

- 360° rotation, infinitely adjustable pneumatic lifting column for precise load positioning
- Fixed connection between the lifting column and crane runway on a double-rail crane trolley
- Extendable arms for geometric adjustment of the suction bridge to the load without using tools
- Vacuum generation by regulated ejectors with non-return valves and integrated pressure gauges
- Control buttons located on the handles enable the ERGO-Jet to be controlled and operated at the same time
- Fine-tune positioning (depending on device: rotating, tilting, inclination)
- Weight reduction because of light-weight aluminium construction
- Minimum maintenance requirements
- Only one person needed to handle large and heavy glass panels
- Low power consumption, fast and cost-effective

Technical data

Max. glass size	Recommended 2,600 x 3,210 mm
Working Load Limit	150 / 250 / 350 / 500 kg
Lifting / lowering	Infinitely adjustable pneumatically through extendable lifting cylinder
Horizontal rotation	In hoisting tube, manually 360°
Vacuum Suction Frame	Can be extended diagonally or squarely, rotated or tilted pneumatically
Vacuum generation	Generated by ejectors (Venturi nozzles) with non-return valve with / without automatic energy saving
Power	Compressed air, 6-9 bar quick connect coupling 1/4", 1/2", 3/8"
Safety systems	Pressure gauge and alarm buzzer in compressed air section, vacuum pressure gauge on each suction pad
Colour	Hoisting tube RAL 9006 white aluminium, anodised Suction Frame RAL 2011 deep orange





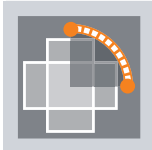
The ERGO-Jet can be positioned as follows depending on its application:



Inclination (N)
82°/84° - 90°



Tilting (S)
around the horizontal axis
82°/90° - 0°



Rotating (D)
0° - 90°



Turnover (WN)
0° - 96°



Turnover (WS)
0° - 180°

ERGO-Jet G 150/250/350/500 N/S



Technical data	
Movements	N... Inclination 82° / 84°-90° S...Tilting 0°-82° / 90°
Working Load Limit (WLL)	150 / 250 / 350 / 500 kg
Application	Feeding/unloading vert./horiz. glass processing machines

ERGO-Jet G 150/250 WN/WS



Technical data	
Movements	WN ...Suctioning underside - raising 96° WS ...Suctioning underside - turnover 180°
WLL	150 / 250 kg
Application	Handling coated glass / processing reverse sides

ERGO-Jet G 150/250/350/500 DN/DS



Technical data	
Movements	DN...Rotating 0°-90° / Inclination 82° / 84°-90° DS...Rotating 0°-90°/ Tilting 0°-82°/ 90°
WLL	150 / 250 / 350 / 500 kg
Application	Feeding/unloading vert./horiz. glass processing machines



OKTOPUS® ERGO-Jet



High quality holistic solutions from one hand

The ERGO-Jet for light weight cranes

Optimised production processes through

- customized design of an ideal light-weight crane working area
- easily movable vacuum lifting device and crane bridge
- can be fitted into existing facilities e.g. fitted to the hall's ceiling girders or ceiling columns, or delivered with its own steel columns

The ERGO-Jet for slewing pillar and wall crane

- Our 350 kg lifting capacity devices can also be used in conjunction with slewing pillar and wall cranes that have a double-rail bridge with a boom-length of up to 6 metres.

Subject to change in the interest of technical progress.

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