

 **WOLIFT**
上海沃力孚自动化设备有限公司

Shanghai Wolift Automation Equipment Co., Ltd.

Vacuum Handling Expert



ABOUT US

Shanghai Wolift Automation Equipment Co., Ltd.

Shanghai Wolift Automation Equipment Co., Ltd. is located in Qingpu District, Shanghai, China. We are a manufacturing enterprise specializing in vacuum handling equipment. With over 10 years of R&D experience in vacuum technology, our team is committed to developing ergonomic, labor-saving handling solutions that adhere to the principles of human engineering. We are an integrated company that combines R&D, design, production, manufacturing, installation, maintenance, and sales into one comprehensive operation.



Our Business

WOLIFT – Handling Equipment Provider
WOLIFT offers customers 5 major product series:

Tube vacuum lifters

Panel/plate vacuum lifters

Glass vacuum lifters

Auxiliary lifting equipment

Customized vacuum lifters

Our Values!

Over the past 10 years, WOLIFT has been providing customers worldwide with highly cost-effective handling solutions. We follow a one-stop service model – from solution design to delivery – so that our customers can resolve their handling challenges with minimal effort.

Communication

Understanding our customers' actual needs is what WOLIFT strives for. Vacuum lifting equipment is not a standardized product; only by truly understanding the customer's working conditions can WOLIFT make the necessary adaptations to ensure the equipment fits their specific site requirements.

Safety

Safety is the top priority for WOLIFT in all handling equipment. All our machines are designed with sufficient safety margins: a 4-times safety factor for vertical lifting, and a 2-times safety factor for horizontal lifting.

Quality

WOLIFT is committed to equipment stability and ease of maintenance. All our products are manufactured using market-proven components to ensure low failure rates. Nearly all electrical parts used in our equipment are standard off-the-shelf items, so that our customers can easily source replacement parts anywhere in the world when maintenance is needed.

Product selection guide

    Cardboard boxes Barrels Porous panels Bags     Canisters Metal sheets Plastics Panels	VACUUM TUBE LIFTERS	WO-QGDD	
		WO-QGDS	
   Glass Sandwich elements Trapezoidal sheets	GLASS VACUUM LIFTERS	WO-BLHWS	
		WO-BLHWD	
		WO-BLJG	
		WO-BLHM	
  Metal sheets Panels	VACUUM SHEET METAL LIFTERS	WO-BC(AIR)	
		WO-BC(DC)	
		WO-BC(AC)	
		WO-BCFZ	
  Sandwich elements Trapezoidal sheets	CLADDING VACUUM LIFTERS	WO-WDB	
 Glass	PORTABLE LIFTING TROLLEYS	WO-BLC	
CRANE SYSTEMS		WO-LZ	
		WO-QB	
		WO-QS	

Product



Features

Safe Working Load: > 75 kg

Features:

- One-hand operation for easy handling of workpieces up to 85 kg
- High-frequency handling with lifting speed of 1 m/s
- Adjustable load height and idle hovering position
- Suitable for lifting and handling bags, cartons, rubber blocks, food products, and more

Model	WO-QGDD-100	WO-QGDD-120	WO-QGDD-140	WO-QGDD-160
Maximum load capacity: KG	30	45	65	85
Lifting tube dia (mm)	100	120	140	160
Mounting height H(mm)	2500/4000	2500/4000	2500/4000	2500/4000
Max. stroke T(mm)	2500/4000	2500/4000	2500/4000	2500/4000
Lifting speed:m/min	60	60	60	50

Equipment load capacity depends on the air permeability of the workpiece. For specific selection, please consult our professional engineers.

Applications



Product



Features

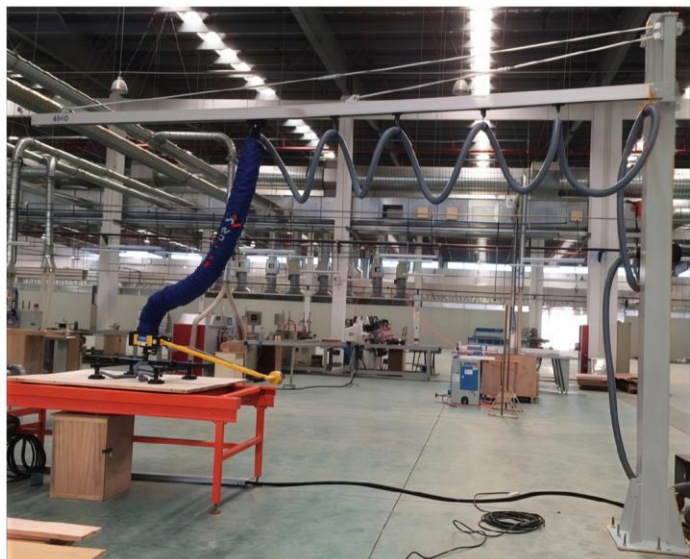
Safe Working Load: > 30 kg

- One-person operation – effortlessly handles workpieces up to 300 kg
- High-frequency handling – lifting speed up to 1 m/s
- Adjustable load height with idle hovering position
- Versatile application – suitable for handling bags, cartons, rubber blocks, food products, wooden boards, and more

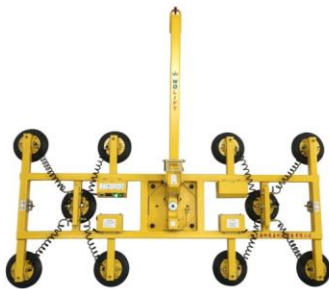
Model	WO-QGDS-100	WO-QGDS-120	WO-QGDS-140	WO-QGDS-160	WO-QGDS-180	WO-QGDS-200	WO-QGDS-230	WO-QGDS-250	WO-QGDS-300
Maximum load capacity: KG	30	45	65	85	105	130	175	205	250
Lifting tube dia (mm)	100	120	140	160	180	200	230	250	300
Mounting height H(mm)	2500/4000	2500/4000	2500/4000	2500/4000	2500/4000	2500/4000	2500/4000	2500/4000	2500/4000
Max. stroke T(mm)	1750/2750	1750/2750	1750/2750	1680/2690	1680/2690	1680/2690	1680/2690	1680/2690	1680/2690
Lifting speed:m/min	60	60	60	50	45	35	35	35	35

Equipment load capacity depends on the air permeability of the workpiece. For specific selection, please consult our professional engineers.

Applications



Product



Features

• WO-BLHWS (i)

Safe Load: Single system: 500KG、750KG

Power System: DC12V

Product Features:

- WO-BLHWS (i) series: compact structure, weighing only 55 kg, equipped with a mobile cart for more convenient transportation;
- The equipment can achieve 0-90° manual flipping and 0-360° manual rotation;
- Wide adsorption range, can adsorb: glass, marble, composite board, color steel plate, etc.;
- Optional: wireless remote control, remote control of attach and release;
- New dual-circuit control system, each working independently, double protection, EU certification, safer.

• WO-BLHWS (x)

Safe Load: Single system: 400KG、600KG、800KG

Power System: DC12V

Product Features:

- The WO-BLHWS (x) series has a flexible structure and can be assembled in a variety of ways depending on the size of the glass;
- The equipment can achieve 0-90° manual flipping and 0-360° manual rotation;
- Optional: wireless remote control, remote control of attach and release;
- Wide range of applications, solid structure, easy operation, Original imported battery, longer battery life;
- New dual-circuit control system, each working independently, double protection, EU certification, safer.

• WO-BLHWS (h)

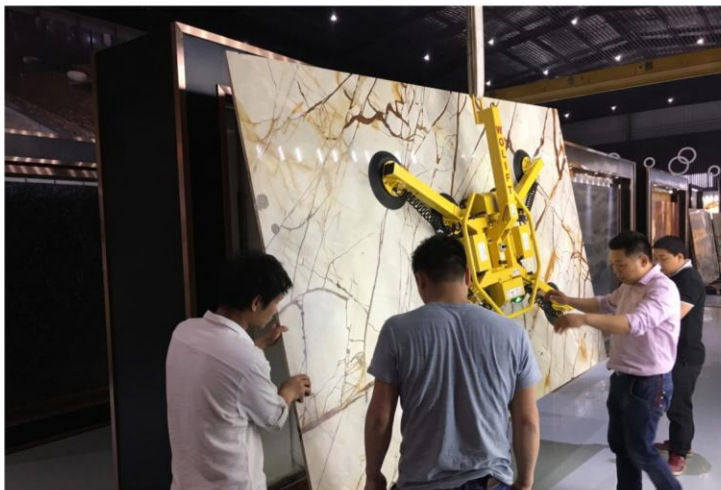
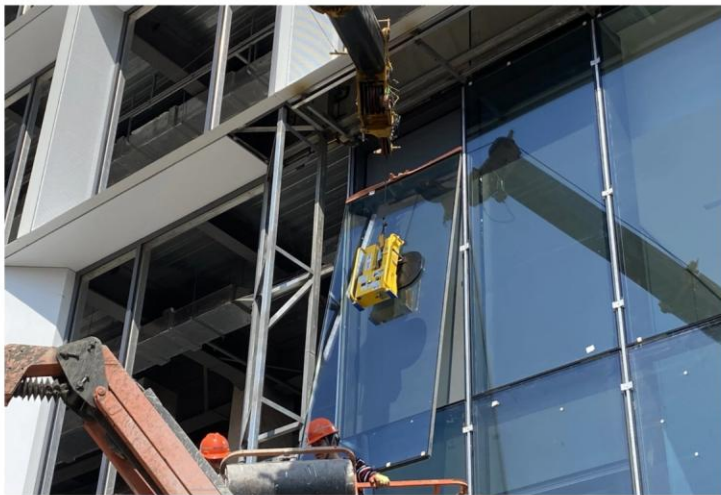
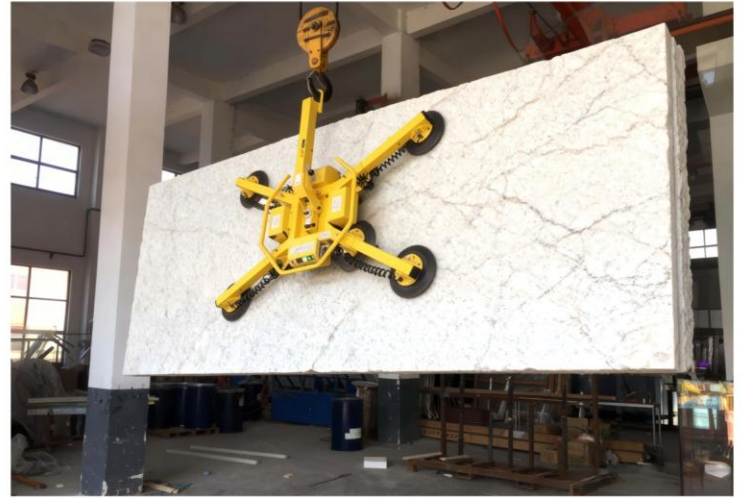
Safe Load: 800KG ~ 2000KG

Product Features:

- WO-BLHWS (h) series is suitable for the hoisting of large and extra-large glass and outdoor curtain wall installation;
- Easy to operate, long battery life, and higher work efficiency;
- The frame structure of the whole machine is sturdy and durable, and the frame size can be customized according to the actual needs of customers, and can be spliced for easy transportation;
- It can achieve 0-90° flipping and 0-360° rotation.

Model	Loading	Size (mm)	Sucker Size (mm)	Sucker Number	Power System	Control Mode	Function
WO-BLHWS500 (i)	500KG	800×400×240	800×400	1	DC12V	Manual / Remote	0-90° Manual Flip + 0-360° Manual Rotation
WO-BLHWS750 (i)	750KG	1000×500×240	1000×500	1			
WO-BLHWS400 (x)	400KG	900×730×240	Φ300	4			
WO-BLHWS600 (x)	600KG	1800×1190×240	Φ300	6			
WO-BLHWS800 (x)	800KG	1800×1190×240	Φ300	8			
WO-BLHWS800 (h)	800KG	1650×1000×240	Φ300	8			
WO-BLHWS1000 (h)	1000KG	(625+1400+625) × 1000 × 240	Φ300	10			
WO-BLHWS1200 (h)	1200KG	2500×1200×390	Φ300	12			
WO-BLHWS1500 (h)	1500KG	(750+2500+750) × 1200 × 390	Φ300	16			

Applications



Product



Features

Safe Load: 600KG ~ 1000KG

Power System: DC48V

Product Features: • WO-BLHWD(d) series equipment has three sections, suitable for hoisting glass of different sizes and outdoor curtain wall installation;

- High-precision brushless motor with high-strength gear structure realizes 0-90° electric flipping and 0-360° electric rotation of glass;
- Wireless remote control operation, double button deflation, safe and reliable; 4 large capacity batteries make the battery life longer;
- Optional forklift arm, used with forklift

Safe Load: 1.5T ~ 10T

Power System: DC24V

Product Features: • WO-BLHWD(y) series is suitable for large glass installation and handling;

• Hydraulically driven, it can achieve 0-90° hydraulic flipping and 0-360° hydraulic rotation;

- Modular vacuum suction cup group, independent vacuum system, wireless remote control of suction cup;
- Analog control, millimeter-level fine adjustment of flipping and rotation angle;
- Delayed deflation function to avoid misoperation;
- The equipment has multiple sections of splicing, which can adapt to various sizes of glass, and the large-capacity power battery makes the battery life longer.

Model	Loading	Size (mm)	Sucker Size (mm)	Sucker Number	Power System	Control Mode	Function
WO-BLHWD600(d)	600KG	(625+1400+625) × 1000 × 480	Φ300	6	DC48V		0-90° Electric Flip +0-360° Electric Rotation
WO-BLHWD800(d)	850KG			8			
WO-BLHWD1000(d)	1000KG			10			
WO-BLHWD1500(y)	1500KG	(1375+2500+1375) × 1340 × 580	Φ300	16	DC24V	Wireless Remote	0-90° Hydraulic Flip + 0-360° Hydraulic Rotation
WO-BLHWD2000(y)	2000KG	(1375+2500+1375) × 1340 × 580	Φ300	22			
WO-BLHWD2500(y)	2500KG	(1375+2500+1375) × 1340 × 580	Φ300	26			
WO-BLHWD3000(y)	3000KG	(2600+2800+2600) × 600	1200 × 640	6			
WO-BLHWD5000(y)	5000KG	(2000+4300+2000) × 1900	1200 × 640	12			
WO-BLHWD10000(y)	10000KG	(3000+6000+3000) × 1900	1200 × 640	20			

Product



Features

Safe Load: 200KG ~ 600KG

Power System: DC12V

Product Features: • **WO-BLHM(s)** series is suitable for curved glass hoisting and curtain wall installation;

- It can achieve 0-90° manual flipping and 0-360° manual rotation;
- The suction cup angle can be adjusted manually to adapt to curved glass of different curvatures;
- The structure is flexible, and customers can adjust the suction cup size according to the size of the glass;
- The equipment is light and easy to operate.

Safe Load: 400KG、600KG

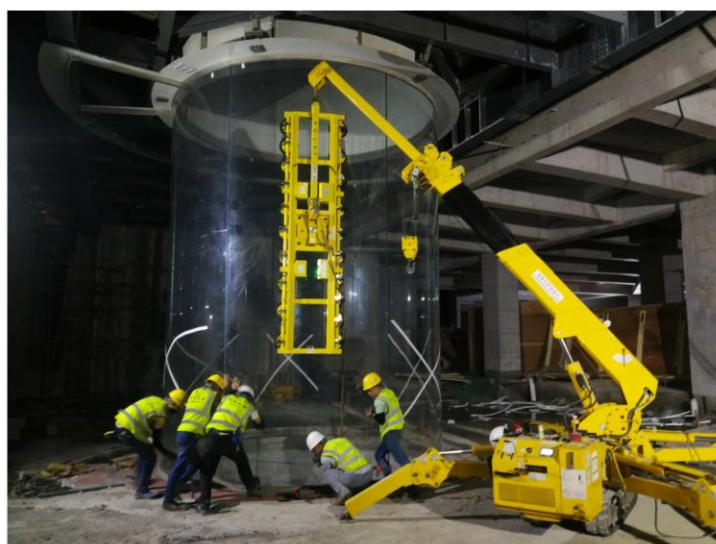
Power System: DC48V

Product Features: • **WO-BLHM(d)** series is suitable for curved glass hoisting and outdoor curtain wall installation;

- High-precision brushless motor with high-strength gear structure realizes 0-90° electric flipping and 0-360° electric rotation of glass;
- Wireless remote control operation, double button deflation, safe and reliable; 4 large-capacity batteries make the battery life longer;
- The suction cup angle can be manually adjusted to adapt to curved glass of different curvatures.

Model	Loading	Size (mm)	Sucker Size (mm)	Sucker Number	Power System	Control Mode	Function
WO-BLHM250(s)	250KG	1200×560	Φ240	4	DC12V	Manual / Remote	0-90° Manual Flip + 0-360° Manual Rotation
WO-BLHM500(s)	500KG	1800×560	Φ240	8			
WO-BLHM600(s)	600KG	2400×560	Φ240	12			
WO-BLHM400(d)	400KG	1800×560	Φ240	8	DC48V	Wireless Remote	0-90° Electric Flip + 0-360° Electric Rotation
WO-BLHM600(d)	600KG	2400×560	Φ240	12			

Applications



Product

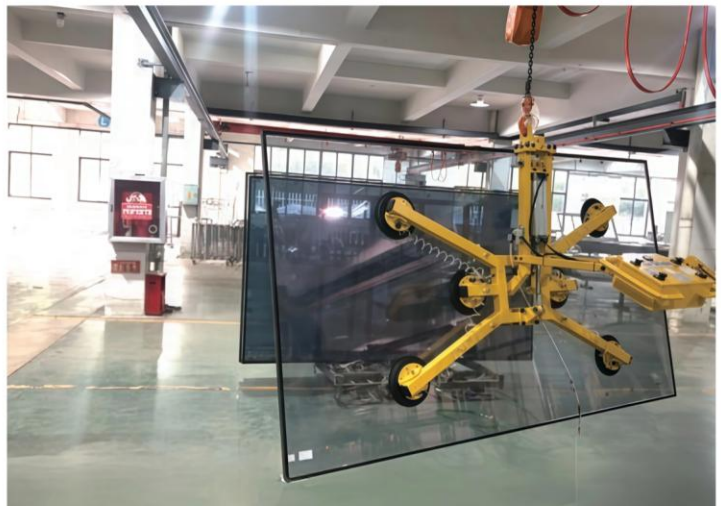
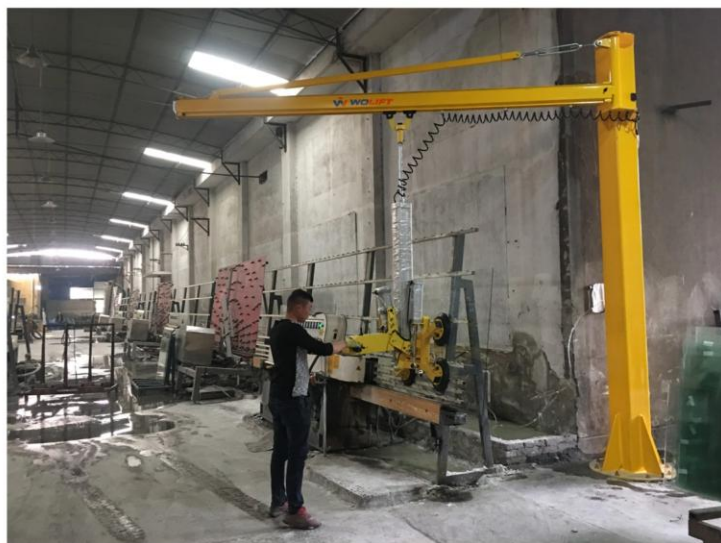


Features

- Safe Load: 150KG、250KG、350KG、400KG
 Power System: Compressed air (0.6-0.8Mpa)
 Product Features: • **WO-BLJG** series is suitable for fixed workstations in glass deep processing;
- For example: insulating glass production line, laminated glass production line, glass edge grinding, water jet cutting and other glass upper and lower pieces;
 - Fixed workstations are used with Standing Jib Cranes, Wall-mounted Jib Cranes and Overhead Gantry Cranes, which is convenient and fast;
 - Cylinder lifting can achieve 0-90° pneumatic flipping and 0-90° pneumatic rotation of glass;
 - German HAFNER pneumatic control valve can perform millimeter-level fine-tuning of the cylinder.

Model	Product Image	Load Capacity (KG)	Function	Sucker Size (mm)	Sucker Quantity	Air Supply
WO-BLJG150		150	0-90° Flipping + 0-90° Rotation	Φ250	2	≥0.7 MPa
WO-BLJG250		250			4	
WO-BLJG350		350			6	
WO-BLJG400		400			8	

Applications



Product



Features

Safe Load: $\leq 500\text{KG}$

Power System: Compressed air (0.6-0.8Mpa)

Product Features:

- WO-BC(AIR) series is particularly suitable for short-distance, intensive, and frequent operation of laser cutting plate feeding;
- Cylinder lifting is more efficient instead of electric hoist, and it is used with standing jib cranes and wall-mounted jib cranes, which is convenient and fast.

Model	Loading	Size (mm)	Sucker Size (mm)	Sucker Number	Power System	Control Mode
WO-BC500(AIR)	500KG	2000×800×720	Φ230	6	Compressed air (0.6-0.8Mpa)	Manual



Product



Features

Safe Load: 500KG ~ 2500KG

Power System: DC12V

Product Features: • WO-BC(DC) series is also suitable for hoisting and handling other metal and non-metal plates with smooth surfaces;

- No external electricity or gas is required during use, which is convenient for large-scale mobile use;

- Especially suitable for laser cutting plate loading.

Safe Load: 500KG ~ 10000KG

Power System: AC208-460V (±10%)

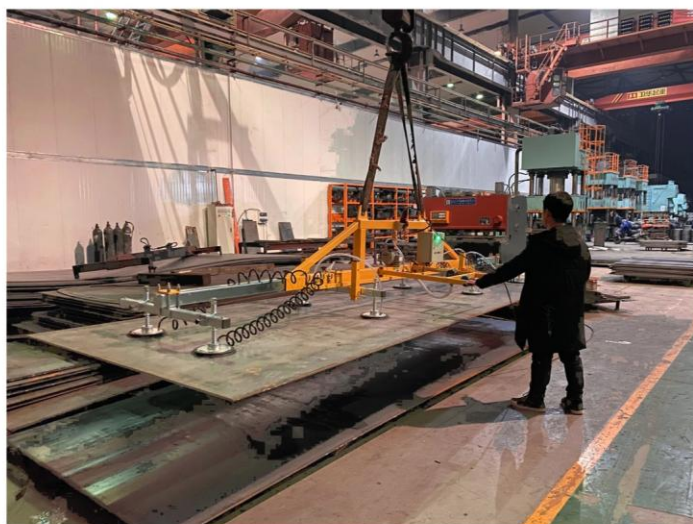
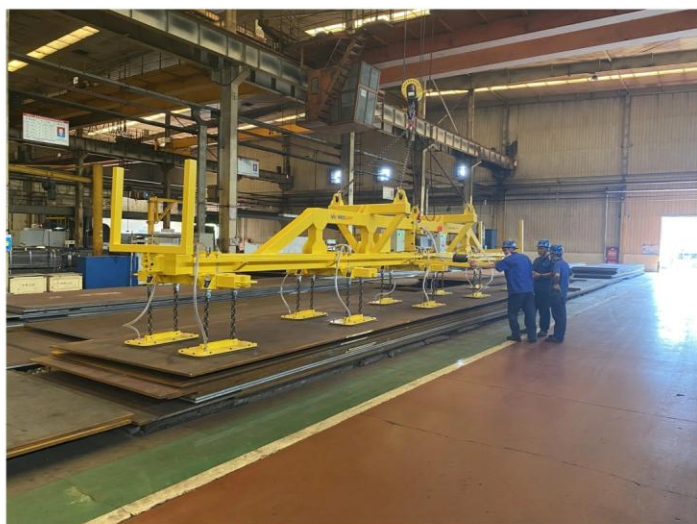
Product Features: • WO-BC(AC) series is particularly suitable for working conditions with poor surface conditions of plates and long-term uninterrupted operation;

- Fast suction speed, high vacuum degree, and long equipment service life;

- Especially suitable for laser cutting plate loading.

Model	Loading	Size (mm)	Sucker Size (mm)	Sucker Number	Power System	Control Mode
WO-BC500(DC)	500KG	2000×800×720	Φ230	6	DC12V	Manual / Remote
WO-BC800(DC)	800KG	2000×800×720	Φ230	8		
WO-BC1000(DC)	1000KG	2000×800×720	Φ300	8		
WO-BC1500(DC)	1500KG	(1000+3000+1000)×1000×950	Φ300	10		
WO-BC2000(DC)	2000KG	(1000+3000+1000)×1000×950	Φ300	10		
WO-BC2500(DC)	2500KG	(1000+3000+1000)×1000×950	Φ300	12		
WO-BC500(AC)	500KG	2000×800×720	Φ230	6	AC208-460V (±10%)	
WO-BC800(AC)	800KG	2000×800×720	Φ230	8		
WO-BC1000(AC)	1000KG	2000×800×720	Φ300	8		
WO-BC1500(AC)	1500KG	(1000+3000+1000)×1000×950	Φ300	10		
WO-BC2000(AC)	2000KG	(1000+3000+1000)×1000×950	Φ300	10		
WO-BC2500(AC)	2500KG	(1000+3000+1000)×1000×950	Φ300	12		
WO-BC3000(AC)	3000KG	6000×1200	Φ300	16		
WO-BC5000(AC)	5000KG	6000×1200	Φ450	10		
WO-BC10000(AC)	1000KG	(6000+6000) ×2000	850×450	10		

Applications



Product



Features

Safe Load: 200KG ~ 2000KG

Power System: Multiple power options

Product Features: • **WO-BCFZ** series is suitable for the processing and production of composite panels in factories, outdoor installation, and assembly of composite panels in carriages;

- According to the process requirements of different customers, the equipment can choose functions such as 0-90° flipping and 0-360° rotation;
- Different types of suction cups can be selected for composite panels with different surfaces.

Model	Loading	Size (mm)	Sucker Size (mm)	Sucker Number	Power System	Function
WO-BCFZ500	500KG	2000×800×720	Φ230	6	AC208-460V (±10%)	0-90° Flipping
WO-BCFZ800	800KG	2000×800×720	Φ230	8		
WO-BCFZ1000	1000KG	2000×800×720	Φ300	8		
WO-BCFZ1500	1500KG	(1000+3000+1000)×1000×950	Φ300	10		
WO-BCFZ2000	2000KG	(1000+3000+1000)×1000×950	Φ300	10		

Applications



Product



Features

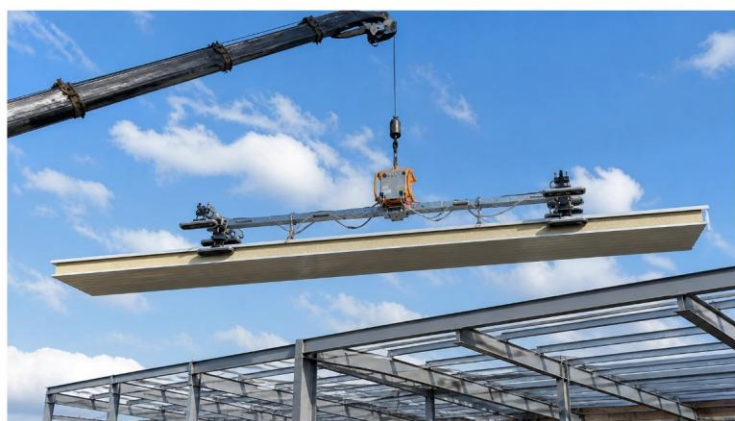
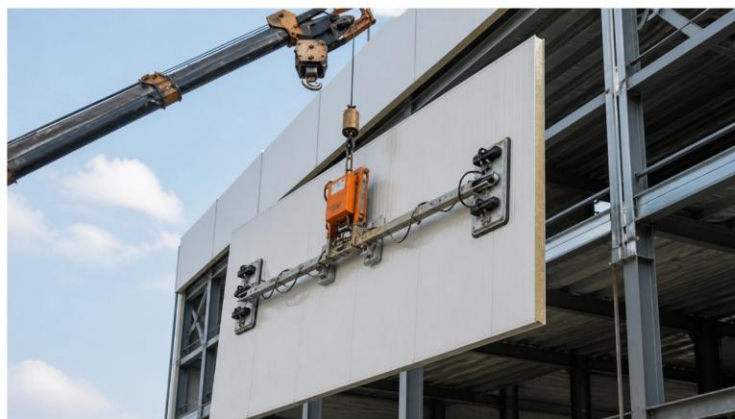
Safe Load: 300KG ~ 500KG

Power System: DC12V

The **WO-WDB** is a vacuum suction cup specifically designed for handling roof panels, wall panels, and insulation panels. Its modular structure makes it well-suited for wall and roof panel installation. With a maximum load capacity of 300 kg, the tilting mechanism allows for safe handling of horizontally stored sandwich panels and enables vertical rotation for wall mounting applications.

Roof Panel	Lifter Length	Panel Length	Ext Beam Qty	Max Load	Max Load on Traverse	Suction PadQty	Pad Size/Load
WO-WDB-RY2650	2650	12000	2	300	800	8	110*530/75kg
WO-WDB-RY4450	4450	14000	4	300	500	8	110*530/75kg
WO-WDB-RY6250	6250	16000	6	300	300	8	110*530/75kg
WO-WDB-RY4450L	4450	14000	4	300	800	8	110*530/75kg
WO-WDB-RY6250L	6250	16000	6	300	500	8	110*530/75kg
WO-WDB-RY8050L	8050	18000	8	300	500	8	110*530/75kg
WO-WDB-RY9850L	9850	20000	10	300	500	8	110*530/75kg
WO-WDB-RY8050LD	8050	18000	8	450	500	12	110*530/75kg
WO-WDB-RY9850LD	9850	20000	10	450	500	12	110*530/75kg
WO-WDB-RY1525LDD	15250	24000	16	500	500	16	110*530/75kg
WO-WDB-RY1705LDD	17050	26000	18	500	500	16	110*530/75kg
Wall Panel	Lifter Length	Panel Length	Ext Beam Qty	Max Load	Max Load on Traverse	Suction PadQty	Pad Size/Load
WO-WDB-RYT2650	2650	12000	2	300	800	8	110*530/75kg
WO-WDB-RYT4450	4450	14000	4	300	500	8	110*530/75kg
WO-WDB-RYT6250	6250	16000	6	300	300	8	110*530/75kg

Applications



Product



Features

Safe Load: 600KG ~ 1200KG
Power System: DC12V

WO-BLC Key Features:

- Electric travel (4-direction: forward/back, left/right)
- Battery-powered, with vacuum pump and battery included
- Suction cup: 360° manual rotation, 90° manual side tilt (left/right), and 90° electric tilt
- Removable anti-tip support wheels
- Detachable boom and suction cup for elevator access

Model	Loading	Size (mm)	Sucker Size (mm)	Sucker Number	Power System	Function
WO-BLC 600	600KG	1800x830x1300	Φ250	6	DC48V	360° manual rotation, 90° manual side tilt (left/right), and 90° electric tilt
WO-BLC 900	900KG	1800x830x1300	Φ250	8		
WO-BLC 1100	1100KG	1800x830x1300	Φ250	10		
WO-BLC 1200	1200KG	1800x830x1300	Φ250	12		

Applications



Product



Features

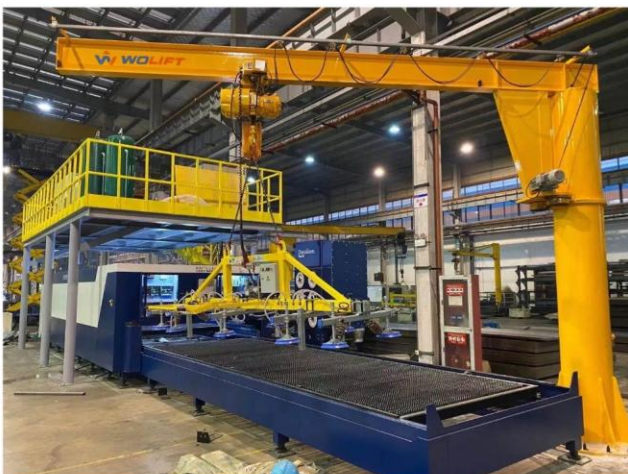
Safe Load: 250KG~5000KG

Operation mode: Manual/Fully Electric

Product Features:

- **WO-LZ** Standing Jib Crane is a light lifting crane that can be used with an electric hoist;
- Suitable for short-distance, frequent, and intensive operations;
- Small footprint, easy to operate, time-saving and labor-saving, safe and reliable;
- Customizable according to different working conditions: cantilever length, column height, etc

Applications



Product



Features

Safe Load: 250KG ~ 2000KG

Operation mode: Manual/Fully Electric

Product Features:

- WO-QB Wall-mounted Jib Crane is a special light crane designed according to customer site requirements;
- It can be directly installed on steel, concrete columns, walls or other self-supporting equipment according to customer site conditions without occupying ground space;
- It can be used with electric hoists; suitable for short-distance, frequent and intensive operations; easy to operate, time-saving and labor-saving, safe and reliable; cantilever length can be customized according to different working conditions.

Applications



Product



Features

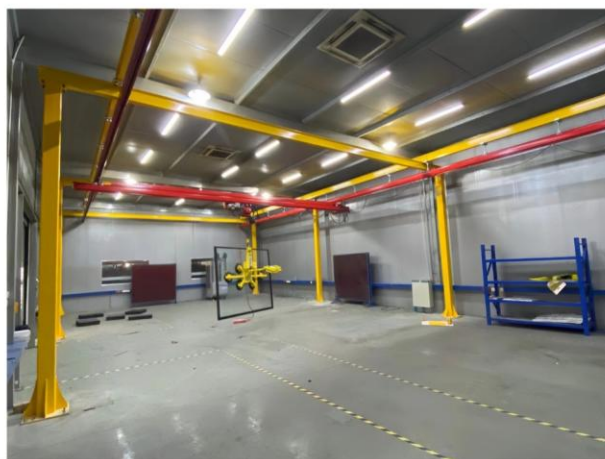
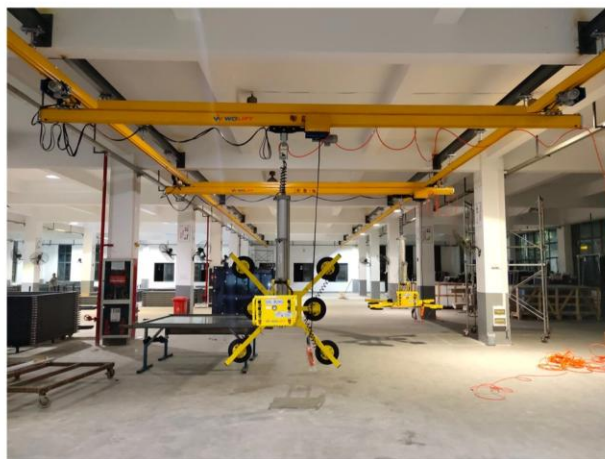
Safe Load: 250KG ~ 2000KG

Operation mode: Manual/Fully Electric

Product Features:

- WO-QS Overhead Gantry Cranes can be manually or electrically driven, and can be used with electric hoists;
- Large operating range, easy to control, and high working efficiency;
- Uniform force, flexible and light operation, low noise, and the track length and span can be customized according to customer needs (span up to 10 m).

Applications





*All the time, Harmony endeavored to satisfy
global customers' requirements.*

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