



WOLIFT

Vacuum Sheet Metal Lifters

Vacuum Handling Expert

Designed for steel, stainless steel, aluminum, galvanized and checkered sheets, WOLIFT sheet metal lifters support capacities from 200 kg to 20,000 kg and can be adapted to different sheet sizes and production layouts.

WOLIFT offers three types of power units for you to choose from, tailored to different load weights and on-site conditions.

WOLIFT pneumatic vacuum sheet metal lifter is an air powered 500KG plate handling solution with cylinder lifting, designed for frequent sheet metal loading, unloading and laser cutting plate feeding.

WOLIFT battery vacuum sheet metal lifters is a DC12V mobile plate handling solution for sheet metal, steel plate and smooth-surface plates, with optional fork pockets for forklift-mounted transfer.

WOLIFT electric vacuum sheet metal lifters is an AC powered plate handling solution for continuous operation, heavy steel plates, sheet metal loading and laser cutting plate feeding.





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.

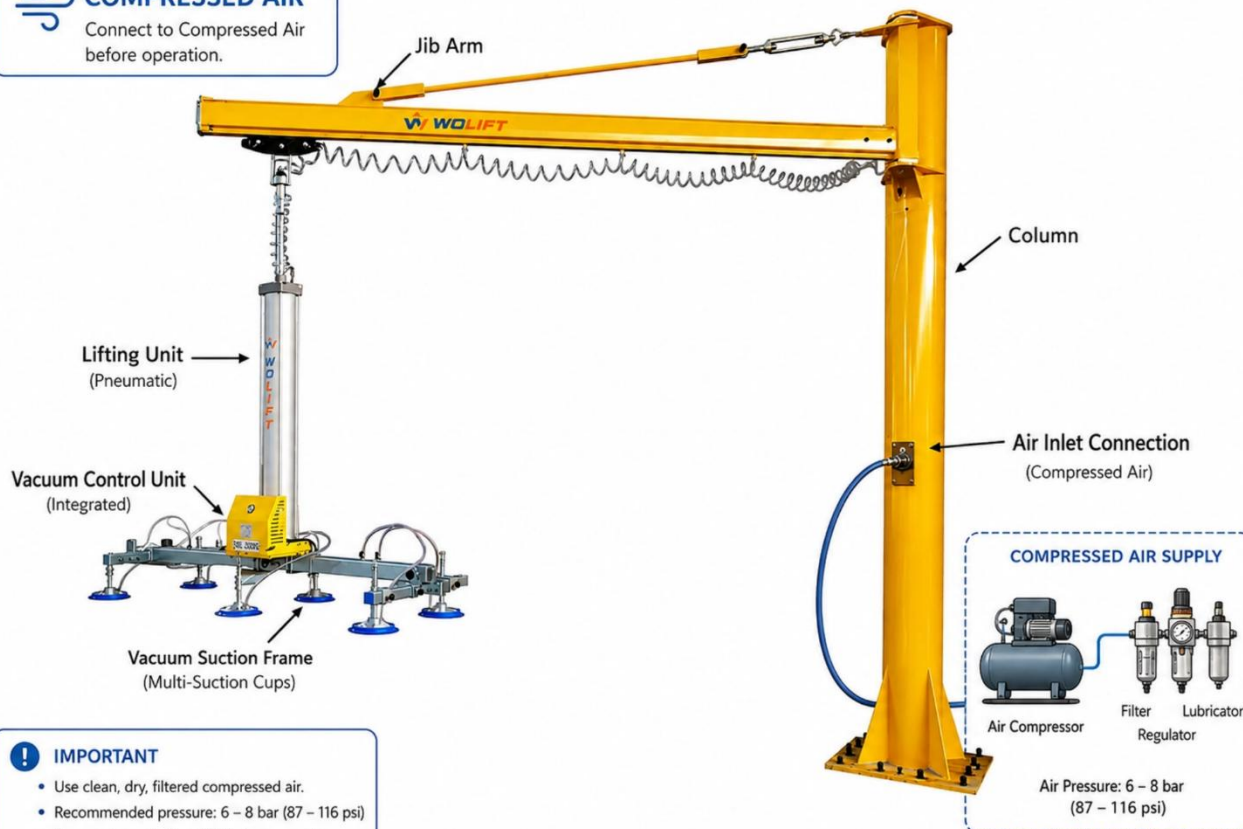
Model	Loading	Size (mm)	Sucker Size (mm)	Sucker Number	Power System	Control Mode
WO-BC500(AIR)	500KG	2000×800×720	Φ230	6	Compressed air (0.6-0.8Mpa)	Manual

REQUIRED UTILITY:



COMPRESSED AIR

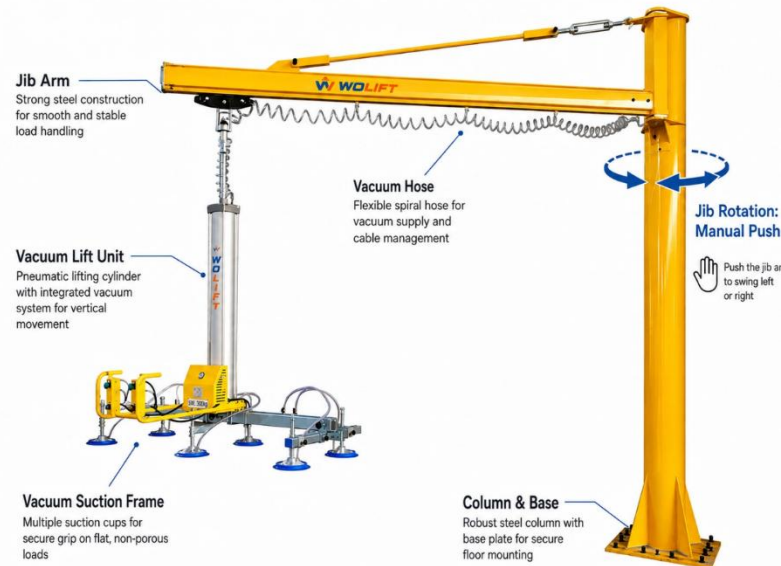
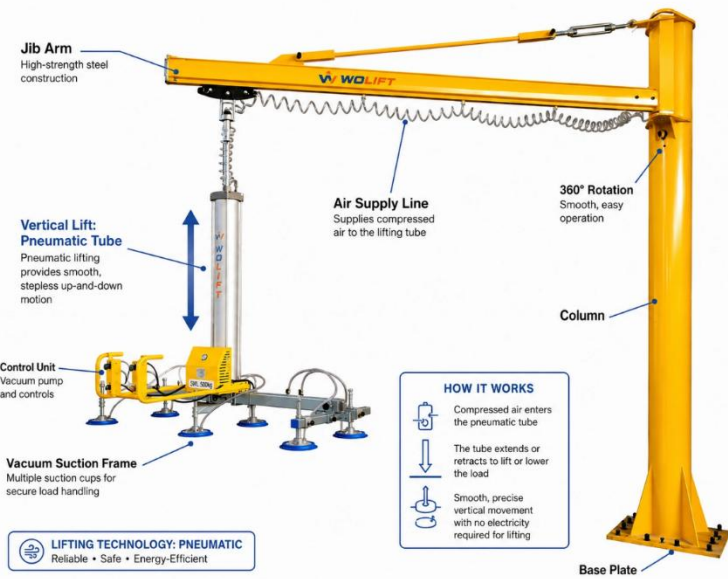
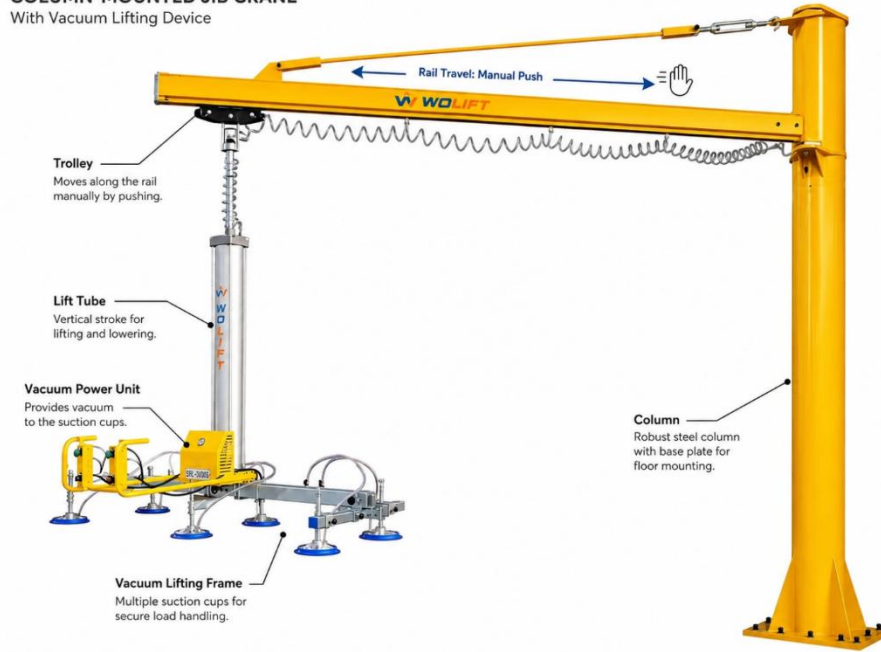
Connect to Compressed Air before operation.



! IMPORTANT

- Use clean, dry, filtered compressed air.
- Recommended pressure: 6 – 8 bar (87 – 116 psi)
- Ensure air supply is stable before operation.

COLUMN-MOUNTED JIB CRANE With Vacuum Lifting Device



Applications





Safe Load: 500KG ~ 2500KG

Power System: DC12V

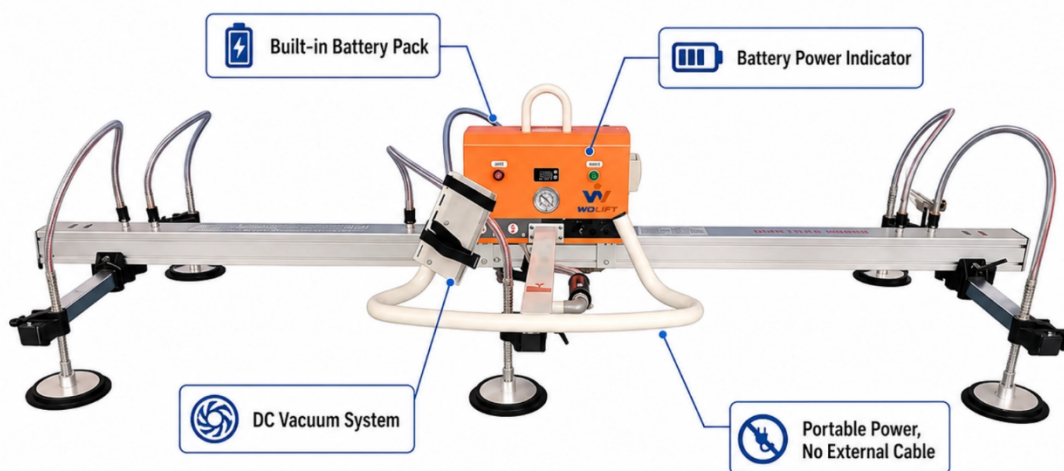
Product Features: • WO-BC(DC) series is also suitable for hoisting and handling other metal and non-metal plates with smooth surfaces;

- No external electricity or gas is required during use, which is convenient for large-scale mobile use;
- Especially suitable for laser cutting plate loading.

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		

— BATTERY-POWERED VACUUM LIFTER —

PORTABLE POWER. MAXIMUM MOBILITY.



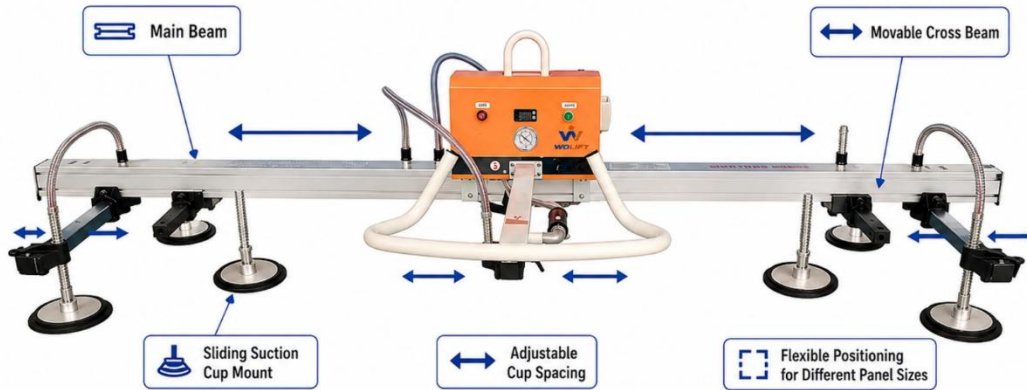
POWER SYSTEM

- Runs on built-in rechargeable battery power.
- No power cable required during operation.
- Ideal for mobile lifting and on-site handling.



— ADJUSTABLE BEAM & SUCTION CUP POSITIONING —

FLEXIBLE POSITIONING FOR DIFFERENT PANEL SIZES.



ADJUSTMENT FEATURES

- The cross beam can slide along the main beam to adjust the lifting width.
- Suction cup mounts can slide on the cross beam to reposition cups for different workpiece sizes.



WIDE ADJUSTMENT RANGE



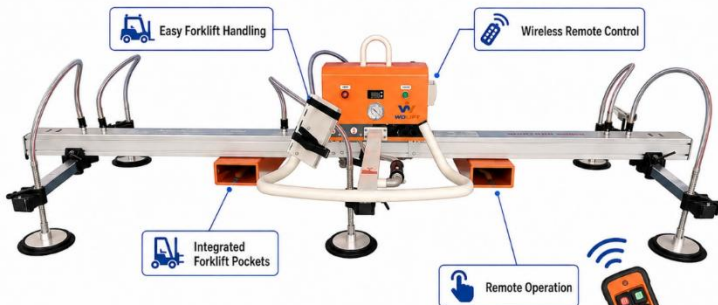
SUITABLE FOR MULTIPLE PANEL SIZES



STRONG, STABLE & RELIABLE

— FORKLIFT POCKETS & WIRELESS REMOTE —

EASY TRANSPORT. WIRELESS CONTROL. MAXIMUM CONVENIENCE.



OPTIONAL FEATURES

- Integrated forklift pockets allow quick and safe lifting with a forklift.
- Wireless remote control enables convenient operation from a distance.



CONVENIENT TRANSPORTATION



WIRELESS CONTROL

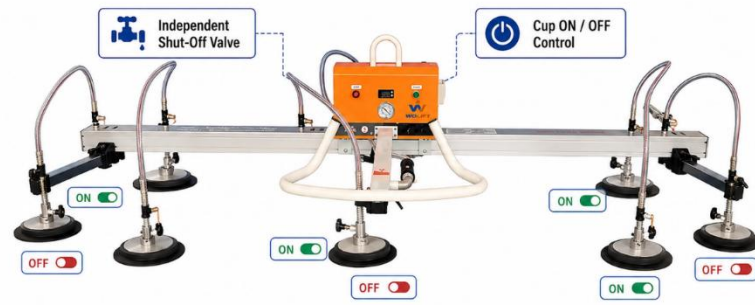


SAFE & EFFICIENT OPERATION



— INDEPENDENT SUCTION CUP SHUT-OFF —

EACH SUCTION CUP CAN BE TURNED ON OR OFF INDEPENDENTLY.



SUCTION CONTROL

- Each suction cup can be turned ON or OFF independently.
- Activate only the cups needed based on the load shape.
- Isolate unused cups to optimize performance and improve efficiency.



SELECTIVE SUCTION ACTIVATION



FLEXIBLE CUP CONFIGURATION

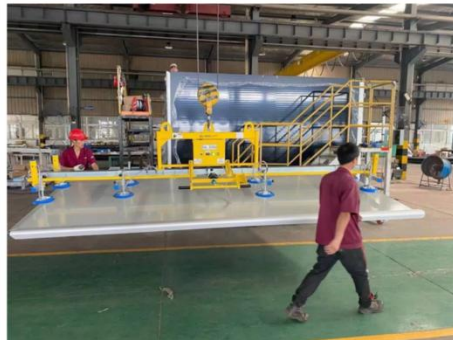


ISOLATE UNUSED SUCTION CUPS



OPTIMIZED GRIP & EFFICIENCY

Applications





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(AC)	500KG	2000×800×720	Φ230	6	AC208-460V (±10%)	Manual / Remote
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)	10000KG	(6000+6000) × 2000	850×450	10		

THREE-PHASE POWER SUPPLY

STABLE AC POWER FOR HEAVY-DUTY VACUUM LIFTING.



POWER FEATURES

- Powered by three-phase AC electricity.
- Stable output for continuous lifting operation.
- Suitable for heavy-duty sheet and panel handling.
- Voltage can be customized for different countries.



STABLE POWER SUPPLY

Reliable three-phase power ensures strong and stable vacuum performance.



CONTINUOUS OPERATION

Designed for long-duration use with consistent power delivery.



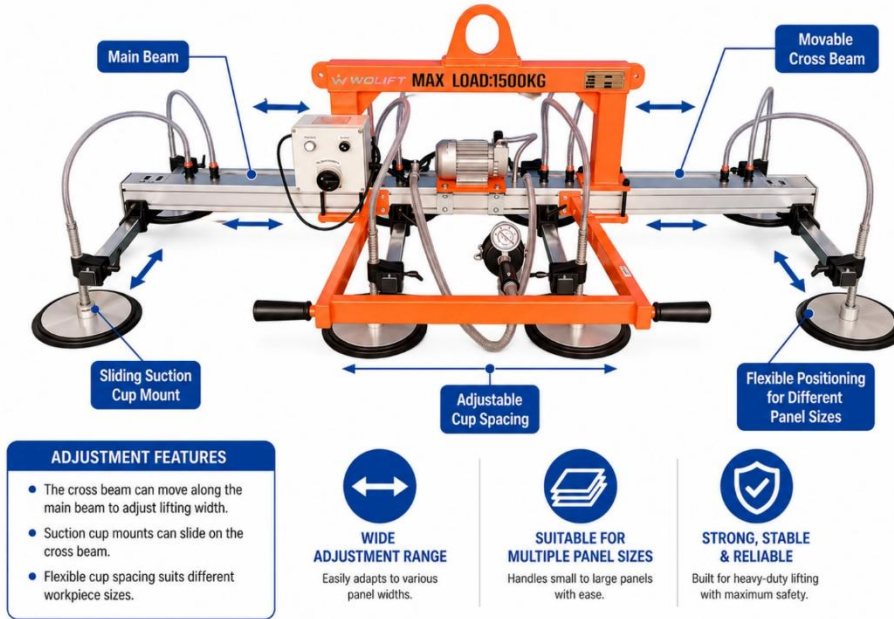
HEAVY-DUTY PERFORMANCE

Built for demanding industrial applications and heavy load handling.



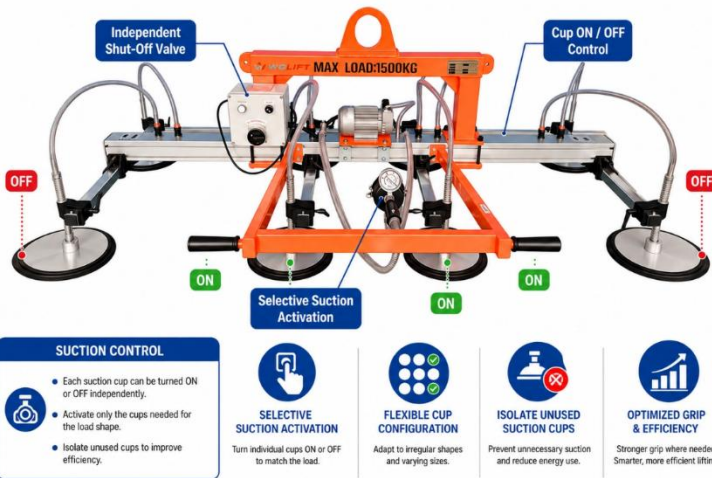
MOVABLE CROSS BEAM & SUCTION CUP POSITIONING

FLEXIBLE ADJUSTMENT FOR DIFFERENT PANEL SIZES.



INDEPENDENT SUCTION CUP SHUT-OFF

EACH SUCTION CUP CAN BE TURNED ON OR OFF INDEPENDENTLY.



OPTIONAL UPS BACKUP POWER & REMOTE CONTROL

UP TO 10,000 KG CAPACITY FOR HEAVY-DUTY LIFTING.



Applications





Safe Load: 200KG ~ 2000KG

Power System: Multiple power options

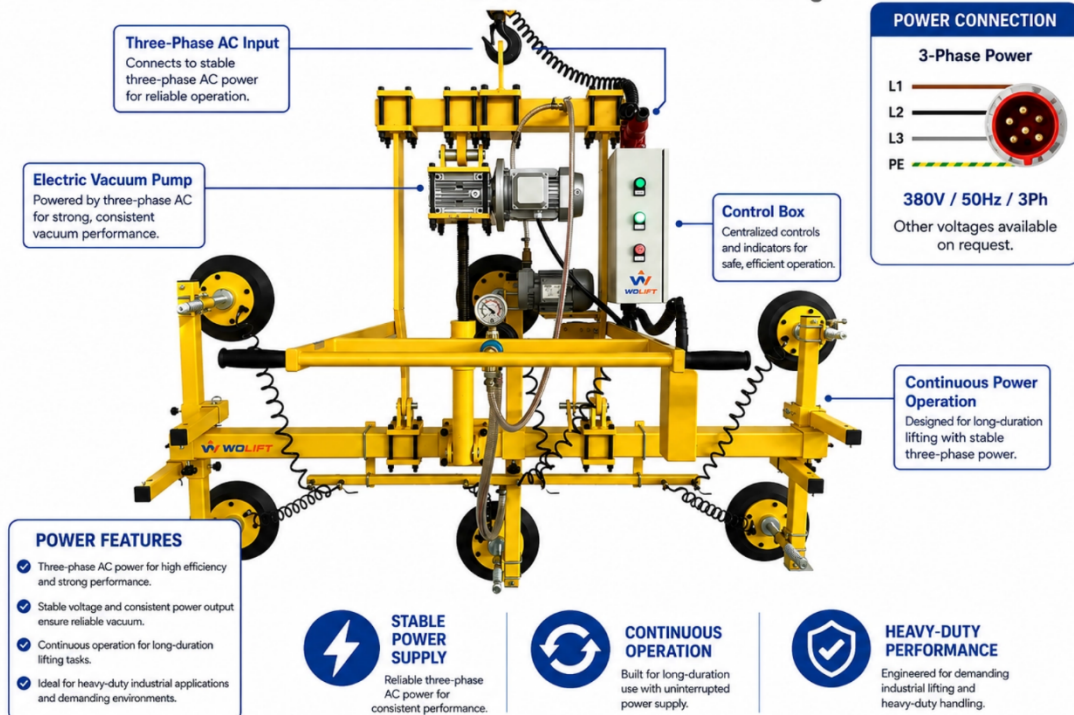
Product Features: • **WO-BCFZ** series is suitable for the processing and production of composite panels in factories, outdoor installation, and assembly of composite panels in carriages;

- 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		

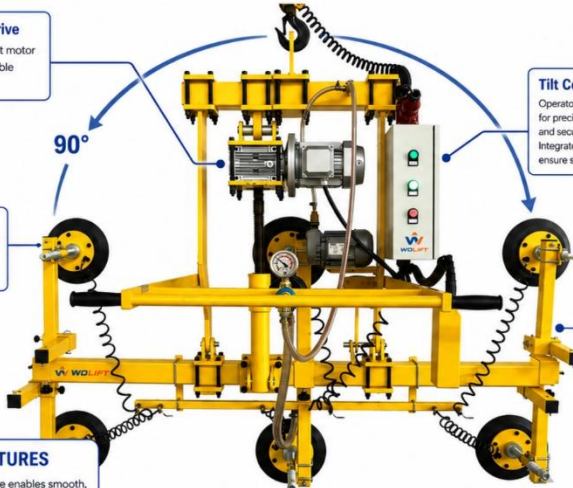
THREE-PHASE POWER SUPPLY

Stable AC Power for Electric Vacuum Lifting



90° ELECTRIC TILTING

Powered Tilting for Safe Vertical-to-Horizontal Positioning



Electric Tilting Drive
High-torque electric tilt motor provides smooth, reliable 90° rotation.

90° Rotation Range
Rotates panels from vertical to horizontal up to 90° with precision and stability.

Tilt Control
Operator-friendly controls for precise tilt adjustment and secure positioning. Integrated safety indicators ensure safe operation.

Stable Load Positioning
Maintains strong vacuum and balance throughout the tilting range for secure load handling.

VERTICAL TO HORIZONTAL
VERTICAL (0°)
↓
HORIZONTAL (90°)

TILTING FEATURES

- ✓ Powerful electric drive enables smooth, controlled 90° tilting.
- ✓ Continuous tilt control for seamless vertical-to-horizontal transitions.
- ✓ Accurate positioning at any angle within the 90° range.
- ✓ Improves safety and efficiency for material handling tasks.

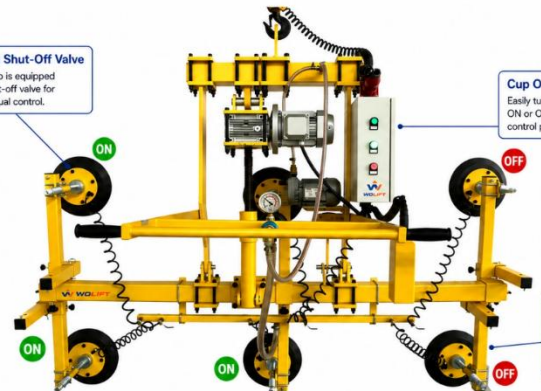
POWERED TILTING
High-torque electric tilt motor for smooth, reliable operation.

90° POSITIONING
Rotate panels up to 90° with accuracy and stability.

SAFE OPERATION
Stable vacuum grip and balanced design ensure safer load handling.

INDEPENDENT SUCTION CUP SHUT-OFF

Each Suction Cup Can Be Turned ON or OFF Independently.



Independent Shut-Off Valve
Each suction cup is equipped with its own shut-off valve for complete individual control.

Cup ON / OFF Control
Easily turn each suction cup ON or OFF using the control panel.

Selective Suction Activation
Activate only the cups you need for the load shape and size.

SUCTION CONTROL

- Independently turn each suction cup ON or OFF.
- Activate only the cups needed for the load.
- Isolate unused cups to prevent unwanted contact.
- Improve safety, efficiency, and flexibility on every lift.

SELECTIVE ACTIVATION
Use only the suction cups required for your specific load.

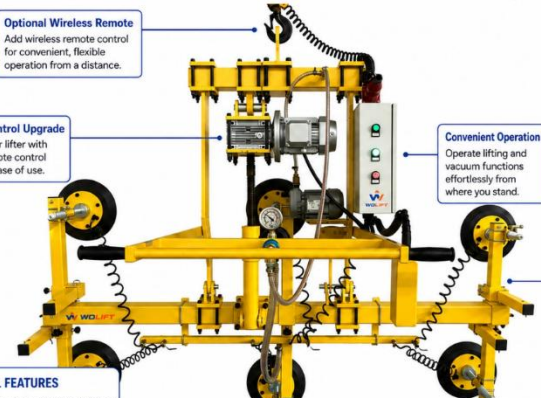
FLEXIBLE CUP CONFIGURATION
Adapt to different load shapes and sizes with ease.

ISOLATE UNUSED CUPS
Turn off unused cups to avoid contact and protect surfaces.

OPTIMIZED EFFICIENCY
Increase safety and productivity on every lift.

OPTIONAL WIRELESS REMOTE CONTROL

Convenient Remote Operation for Safer Handling.



Optional Wireless Remote
Add wireless remote control for convenient, flexible operation from a distance.

Remote Control Upgrade
Upgrade your lifter with wireless remote control for greater ease of use.

Convenient Operation
Operate lifting and vacuum functions effortlessly from where you stand.

Safer Distance Control
Maintain a safe distance while controlling lifting and release for improved safety.

OPTIONAL FEATURES

- ✓ Add wireless remote control for greater flexibility.
- ✓ Operate lifting, lowering, and release functions conveniently from a distance.
- ✓ Improve safety by keeping operators away from the load.
- ✓ Ideal upgrade for industrial and material handling applications.

WIRELESS CONTROL
Reliable wireless connection for responsive control and stable performance.

EASY OPERATION
Simple, intuitive controls for smooth and efficient operation.

SAFER HANDLING
Maintain a safe distance from the load for improved operator safety and confidence.

Applications

