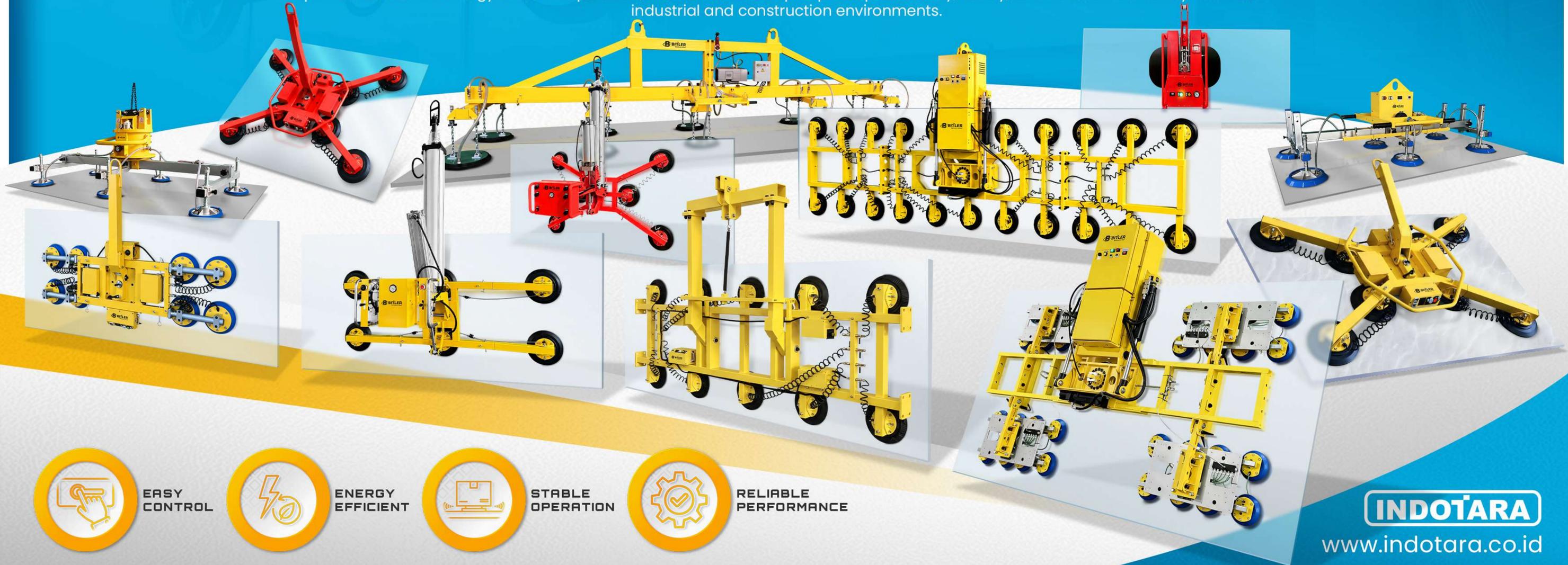


HEAVY DUTY

VACUUM LIFTER

EQUIPMENT

Vacuum Lifters are material handling equipment designed to lift, move, and position various materials safely and efficiently using vacuum technology. These systems are ideal for handling glass panels, metal sheets, and other flat materials. With easy controls, reliable performance, and energy-efficient operation, Vacuum Lifters help improve productivity, safety, and workflow efficiency in modern industrial and construction environments.



EASY CONTROL



ENERGY EFFICIENT



STABLE OPERATION



RELIABLE PERFORMANCE

INDOTARA

www.indotara.co.id

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MECHANICAL VACUUM LIFTERS

TYPE BT-MVL

FEATURES

Safe Load : 80KG, 300KG, 800KG, 2000KG

Power System : No power, Self-priming

Product Features:

- Small size, light weight, large load;
- No installation required, the suction cupring can be directly connected to the crane hook;
- No control buttons or external power are required, and it is not affected by power failure or insufficient voltage;
- Suitable for aluminum plates, stainless steel plates, and also suitable for the lifting and handling of other metal and non-metal plates with smooth and dense surfaces.



Mechanical Vacuum Lifter (Single Sucker) BT-MVL80-IS (80KG)



Mechanical Vacuum Lifter (Single Sucker) BT-MVL300-IS (300KG)



Mechanical Vacuum Lifter (Single Sucker) BT-MVL800-IS (800KG)



Mechanical Vacuum Lifter (Single Sucker) BT-MVL2000-IS (2000 KG)

SPECIFICATION

Product & Model	BT-MVL80-IS	BT-MVL300-IS	BT-MVL800-IS	BT-MVL2000-IS
Safety Loading	80 KG	300 KG	800 KG	2000 KG
Size (mm)	Φ200×550	Φ360×700	Φ450×850	1000×580×750
Sucker Diameter (mm)	Φ200	Φ360	Φ450	1000×580
Sucker Number	1 pcs	1 pcs	1 pcs	1 pcs
Power System	Mechanical			
Control Mode	Automation			
Dead Load	5 KG	26 KG	90 KG	270 KG



EASY CONTROL



ENERGY EFFICIENT



STABLE OPERATION



RELIABLE PERFORMANCE

MECHANICAL VACUUM LIFTERS

TYPE BT-MVL

FEATURES

Safe Load : 600KG, 800KG, 1000KG

Power System : No power, Self-priming

Product Features:

- Multiple suction cups and multi-point suction of thin plates are safer and more reliable;
- No installation is required, the suction cupring can be directly connected to the crane hook;
- No control buttons or external power are required, and it is not affected by power outages or insufficient voltage;
- Suitable for aluminum plates, stainless steel plates, and also suitable for the lifting and handling of other metal and non-metal plates with smooth and dense surfaces.



Mechanical Vacuum Lifter (6 Sucker)
BT-MVL600-6S (600KG)



Mechanical Vacuum Lifter (4 Sucker)
BT-MVL800-4S (800KG)



SPECIFICATION

Product & Model	BT-MVL600-6S	BT-MVL800-4S	BT-MVL1000-2S
Safety Loading	600 KG	800 KG	1000 KG
Size (mm)	2000×800×1140	1500×800×1140	2000×450×1200
Sucker Diameter (mm)	Φ230	Φ300	Φ450
Sucker Number	6 pcs	4 pcs	2 pcs
Power System	Mechanical		
Control Mode	Automation		
Dead Load	180 KG	160 KG	220 KG



EASY CONTROL



ENERGY EFFICIENT



STABLE OPERATION



RELIABLE PERFORMANCE

BOARD SMALL-SCALE VACUUM LIFTERS

TYPE BT-BSJ

FEATURES

Safe Load : 500KG - 2500KG
 Power System : AC208-460V (+10%)

Product Features:

- BT-BSJ 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 feeding laser cutting plates.



STABLE OPERATION



RELIABLE PERFORMANCE



ENERGY EFFICIENT



EASY CONTROL

SPECIFICATION

Product & Model	Safety Loading	Size (mm)	Sucker Diameter (mm)	Sucker Number	Power System	Control Mode	Dead Load
BT-BSJ500-6S	500 KG	2000×800×720	Φ230	6 pcs	AC208-460V (±10%)	Manual / Remote	120 KG
BT-BSJ1000-6S	1000 KG	2000×800×720	Φ300	6 pcs	AC208-460V (±10%)		125 KG
BT-BSJ800-8S	800 KG	2000×800×720	Φ230	8 pcs	AC208-460V (±10%)		140 KG
BT-BSJ1500-8S	1500 KG	2000×800×720	Φ300	8 pcs	AC208-460V (±10%)		150 KG
BT-BSJ1000-10S	1000 KG	(1000+3000+1000) ×1000×950	Φ230	10 pcs	AC208-460V (±10%)		250 KG
BT-BSJ2000-10S	2000 KG	(1000+3000+1000) ×1000×950	Φ300	10 pcs	AC208-460V (±10%)		260 KG
BT-BSJ2500-12S	2500 KG	(1000+3000+1000) ×1000×950	Φ300	12 pcs	AC208-460V (±10%)		280 KG



AC-Vacuum Lifter (6 Suckers)
BT-BSJ1000-6S (1000KG)



AC-Vacuum Lifter (10 Suckers)
BT-BSJ2000-10S (2000KG)

BOARD SMALL-SCALE VACUUM LIFTERS

TYPE BT-BSZ

FEATURES

Safe Load : 500KG ~ 2500KG

Power System : DC12V

Product Features:

- BT-BSZ 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.



DC-Vacuum Lifter (6 Suckers)
BT-BSZ1000-6S (1000KG)

DC-Vacuum Lifter (10 Suckers)
BT-BSZ2000-10S (2000KG)

DC-Vacuum Lifter (10 Suckers)
Long Battery Life
BT-BSZ2000-10S (2000KG)

SPECIFICATION

Product & Model	Safety Loading	Size (mm)	Sucker Diameter (mm)	Sucker Number	Power System	Control Mode	Dead Load
BT-BSZ500-6S	500 KG	2000×800×720	φ230	6 pcs	DC12V	Manual / Remote	120 KG
BT-BSZ1000-6S	1000 KG	2000×800×720	φ300	6 pcs	DC12V		125 KG
BT-BSZ800-8S	800 KG	2000×800×720	φ230	8 pcs	DC12V		140 KG
BT-BSZ1500-8S	1500 KG	2000×800×720	φ300	8 pcs	DC12V		150 KG
BT-BSZ1000-10S	1000 KG	(1000+3000+1000) ×1000×950	φ230	10 pcs	DC12V		250 KG
BT-BSZ2000-10S	2000 KG	(1000+3000+1000) ×1000×950	φ300	10 pcs	DC12V		260 KG
BT-BSZ2500-12S	2500 KG	(1000+3000+1000) ×1000×950	φ300	12 pcs	DC12V		280 KG

EASY CONTROL



STABLE OPERATION



ENERGY EFFICIENT



RELIABLE PERFORMANCE



BOARD SMALL-SCALE VACUUM LIFTERS

TYPE BT-BSQ

FEATURES

Safe Load : ≤500KG
 Power System : Compressed air (0.6-0.8 Mpa)

Product Features:

- BT-BSQ 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.



EASY CONTROL



ENERGY EFFICIENT



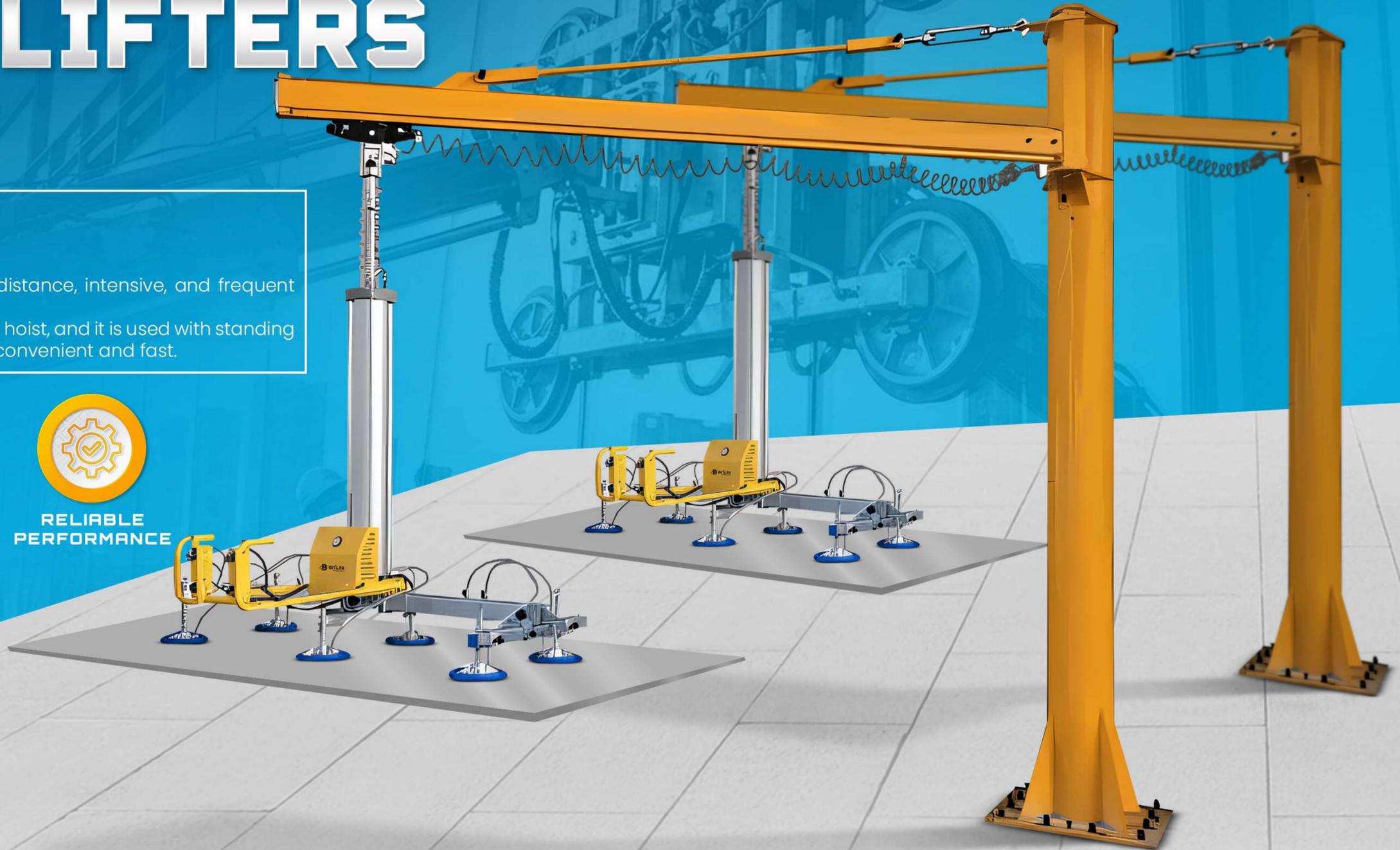
STABLE OPERATION



RELIABLE PERFORMANCE



Pneumatic-Vacuum Lifter (6 Suckers)
 HP-BSQ500-6S (500 KG)



SPECIFICATION

Product & Model	Safety Loading	Size (mm)	Sucker Diameter (mm)	Sucker Number	Power System	Control Mode	Dead Load
BT-BSQ500-6S	500 KG	2000×800×2100	Φ230	6 pcs	Pneumatic	Manual / Remote	155 KG

BOARD LARGE-SCALE VACUUM LIFTERS

TYPE BT-BL

FEATURES

Safe Load : 3T - 20T
 Power System : DC12V / AC208-460V (+10%)

Product Features:

- BT-BL series is professionally customized for large plates of 3 tons and above;
- National standard square tubes, high structural strength, safe and reliable;
- Optional Harmony patented UPS backup power system, super strong pressure maintenance for more than 6 hours;
- The position of the suction cup can be adjusted to meet the changes in different plate sizes.



EASY CONTROL



ENERGY EFFICIENT



STABLE OPERATION



RELIABLE PERFORMANCE



DC-Vacuum Lifter
(16 Suckers)
HP-BLZ3000-16S (3000KG)



DC-Vacuum Lifter
(16 Suckers)
HP-BLZ3000-16S (3000KG)



AC-Vacuum Lifter
(12 Suckers)
HP-BLJ5000-12S (5000KG)



AC-Vacuum Lifter
(12 Suckers)
HP-BLJ5000-12S (5000KG)



AC-Vacuum Lifter
(8 Suckers)
HP-BLJ8000-8S (8000KG)



AC-Vacuum Lifter
(8 Suckers)
HP-BLJ8000-8S (8000KG)



AC-Vacuum Lifter
(10 Suckers)
HP-BLJ10000-10S (10T)



AC-Vacuum Lifter
(10 Suckers)
HP-BLJ10000-10S (10T)

SPECIFICATION

Product & Model	Safety Loading	Size (mm)	Sucker Diameter (mm)	Sucker Number	Power System	Control Mode	Dead Load
BT-BLZ3000-16S	3000 KG	6000×1200	Φ300	16 pcs	AC208-460V (±10%)	Manual / Remote	600 KG
BT-BLJ3000-16S	3000 KG	6000×1200	Φ300	16 pcs	AC208-460V (±10%)		600 KG
BT-BLJ5000-10S	5000 KG	6000×1200	Φ450	10 pcs	AC208-460V (±10%)		1000 KG
BT-BLJ10T-10S	10 T	(6000+6000) X2000	850x450	10 pcs	AC208-460V (±10%)		2800 KG
BT-BLJ20T-20S	20 T	(6000+6000+6000) ×2000	850x450	20 pcs	AC208-460V (±10%)		5500 KG

MANUAL FLIP AND ROTATION

TYPE BT-MFRi

FEATURES

Safe Load : • Single system: 500KG, 750KG
 • Dual system : 250KG, 375KG

Power System : DC12V

Product Features:

- BT-MFRi series: compact structure, weighing only 55kg, 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.



EASY CONTROL



ENERGY EFFICIENT



STABLE OPERATION



RELIABLE PERFORMANCE

SPECIFICATION

Product & Model	Safety Loading	Size (mm)	Sucker Diameter	Sucker Number	Vacuum System	Power System	Control mode	Function
BT-MFRi500-1S	500KG	800×400×240	800×400	1 pcs	Single System	DC12V	Manual / Remote	0-90° Manual Flip + 0-360° Manual Rotation
BT-MFRi750-1S	750KG	1000×500×240	1000×500	1 pcs				
BT-MFRiD250-4S	250KG	800×420×240	800×420	4 pcs	Dual System			
BT-MFRiD375-4S	375KG	1000×520×240	1000×520	4 pcs				



DC-Vacuum Lifer (Single Sucker) BT-MFRi500-1S (500KG)



DC-Vacuum Lifer (Single Sucker) BT-MFRi500-1S (500KG)

MANUAL FLIP AND ROTATION

TYPE BT-MFR

FEATURES

Safe Load : • Single system: 400KG, 600KG, 800KG
 • Dual system : 200KG, 300KG, 400KG

Power System : DC12V

Product Features:

- The BT-MFR 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;
- Wide adsorption range, can adsorb: glass, marble, composite board, color steel plate, etc;
- 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.



SPECIFICATION

Product & Model	Safety Loading	Size (mm)	Sucker Diameter	Sucker Number	Vacuum System	Power System	Control mode	Function
BT-MFR400-4S	400KG	900×730×240	Φ300	4 pcs	Single System	DC12V	Manual / Remote	0-90° Manual Flip + 0-360° Manual Rotation
BT-MFR600-6S	600KG	1800×1190×240	Φ300	6 pcs				
BT-MFR800-8S	800KG	1800×1190×240	Φ300	8 pcs				
BT-MFRD200-4S	200KG	850×680×320	Φ300	4 pcs	Dual System			
BT-MFRD300-6S	300KG	1680×1160×320	Φ300	6 pcs				
BT-MFRD400-8S	400KG	1680×1160×320	Φ300	8 pcs				



EASY CONTROL



RELIABLE PERFORMANCE



ENERGY EFFICIENT



STABLE OPERATION

MANUAL FLIP AND ROTATION

TYPE BT-MFRH

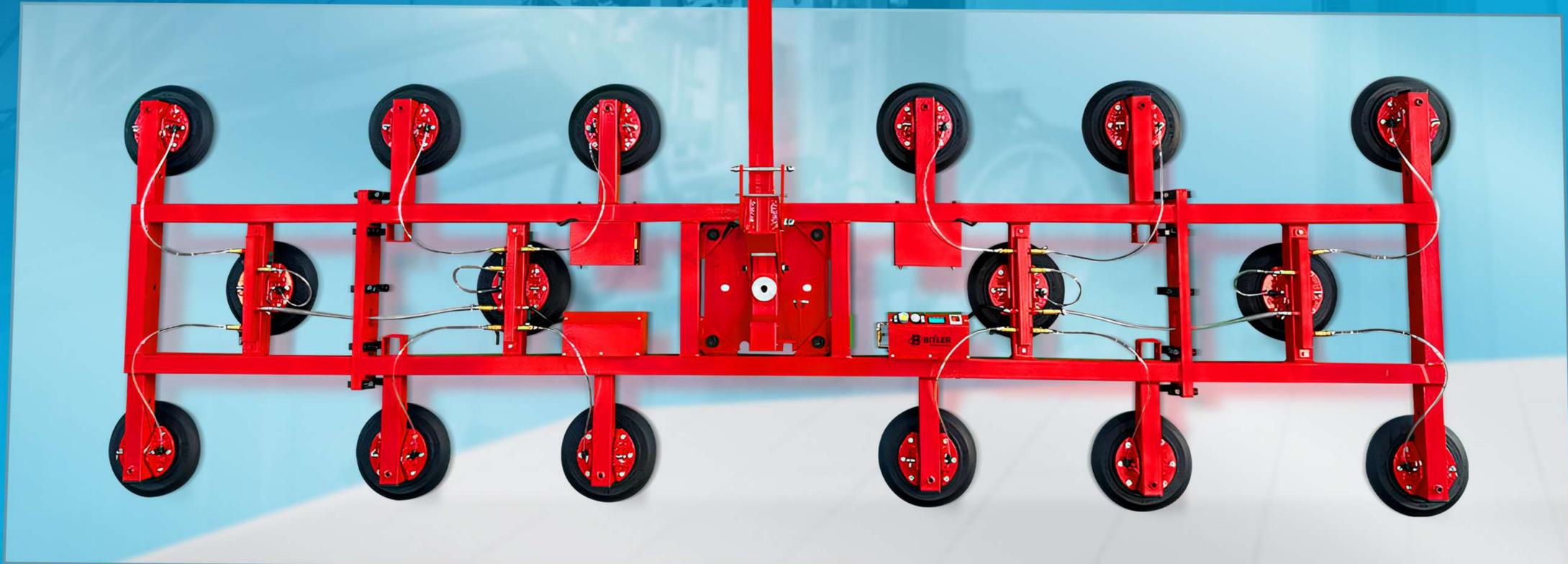
FEATURES

Safe Load : 800KG - 2000KG

Power System : DC12V

Product Features :

- BT-MFRH 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.



SPECIFICATION

Product & Model	Safety Loading	Size (mm)	Sucker Diameter	Sucker Number	Vacuum System	Power System	Control mode	Function
BT-MFRHS800-8S	800KG	1650×1000×240	Φ300	8 pcs	Single System	DC12V	Manual / Remote	0-90° Manual Flip + 0-360° Manual Rotation
BT-MFRHS1000-10S	1000KG	(625+1400+625) ×1000×240	Φ300	10 pcs				
BT-MFRH1000-10S	1000KG	2500×1200×390	Φ300	10 pcs				
BT-MFRH1200-12S	1200KG	2500×1200×390	Φ300	12 pcs				
BT-MFRH1500-16S	1200KG	(750+2500+750) ×1200×390	Φ300	16 pcs				



RELIABLE PERFORMANCE



EASY CONTROL



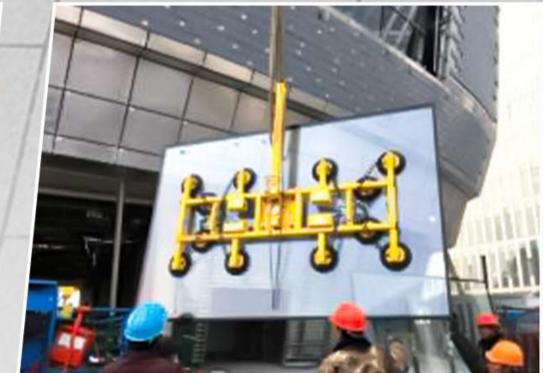
ENERGY EFFICIENT



STABLE OPERATION



DC-Vacuum Lifer (10 Suckers)
BT-MFRH1000-10S (1000 KG)



DC-Vacuum Lifer (12 Suckers)
BT-MFRH1200-12S (1200 KG)

ELECTRIC FLIP AND ROTATION

TYPE BT-EFR

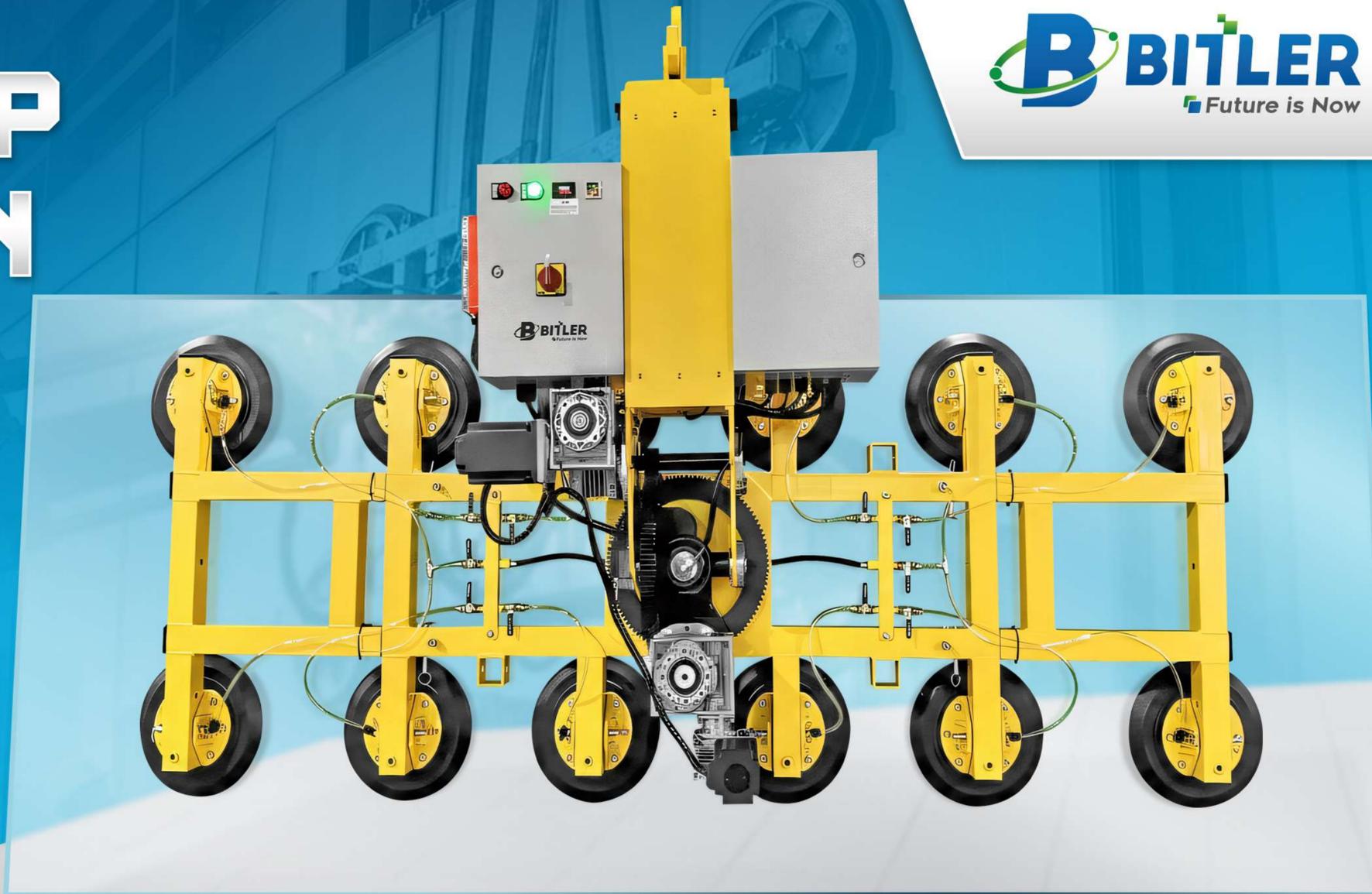
FEATURES

Safe Load : 800KG - 2000KG

Power System : DC12V

Product Features:

- BT-EFR 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 forklif.



RELIABLE PERFORMANCE



EASY CONTROL



ENERGY EFFICIENT



STABLE OPERATION

SPECIFICATION

Product & Model	BT-EFR600-6S	BT-EFR800-8S	BT-EFR1000-12S
Safety Loading	600KG	800KG	1000KG
Size (mm)	(625+1400+625) ×1000×480		
Sucker Diameter	Φ300		
Sucker Number	6pcs	8pcs	12pcs
Power System	DC48V		
Control mode	Wireless Remote		
Function	0-90° Electric Flip +0-360° Electric Rotation		



DC-Vacuum Lifter (8 Suckers)
BT-EFR800-8S (800 KG)



DC-Vacuum Lifter (8 Suckers)
BT-EFR800-8S (800KG)



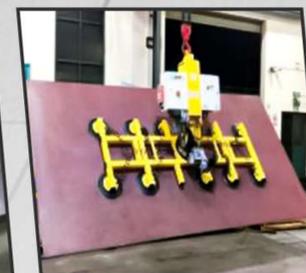
DC-Vacuum Lifter (10 Suckers)
BT-EFR1000-10S (1000 KG)



DC-Vacuum Lifter (10 Suckers)
BT-EFR1000-10S (1000 KG)



DC-Vacuum Lifter (6 Suckers)
BT-EFR600-6S (600 KG)



DC-Vacuum Lifter (10 Suckers)
BT-EFR1000-10S (1000 KG)



DC-Vacuum Lifter (18 Suckers)
BT-EFR1000-18S (1000 KG)



DC-Vacuum Lifter (12 Suckers)
BT-EFR1000-12S (1000 KG)

HYDRAULIC FLIP AND ROTATION

TYPE BT-HFR

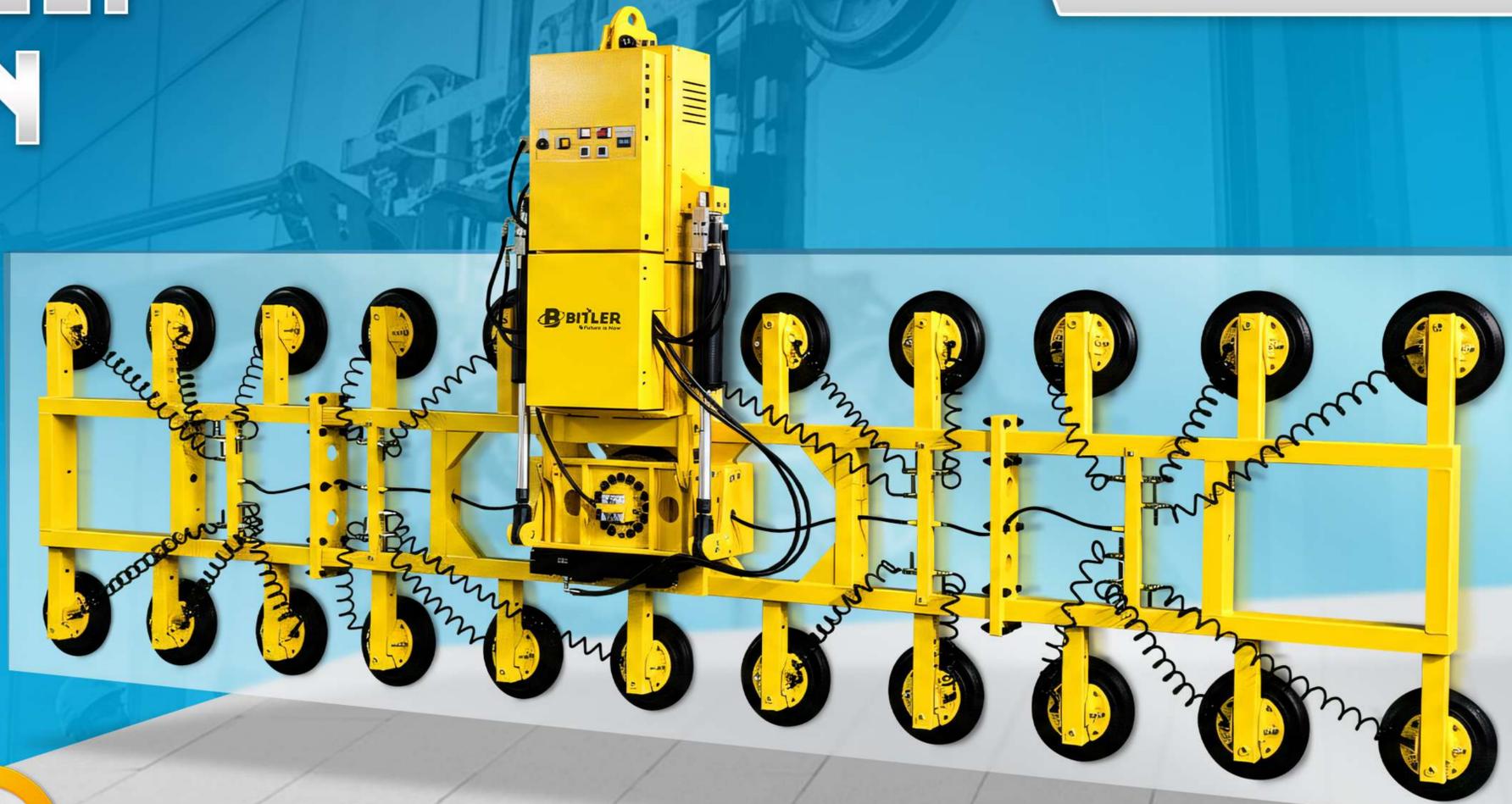
FEATURES

Safe Load : 1.5 T-10 T

Power System : DC24V

Product Features:

- BT-HFR 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.



RELIABLE PERFORMANCE



EASY CONTROL



ENERGY EFFICIENT



STABLE OPERATION

SPECIFICATION

Product & Model	Safety Loading	Size (mm)	Sucker Diameter (mm)	Sucker Number	Power System	Control mode	Function
BT-HFR1500-16S	1500 KG	(1375+2500+1375) ×1340×580	Φ300	16 pcs	DC24V	Wireless Remote	0-90° Hydraulic Flip + 0-360° Hydraulic Rotation
BT-HFR2000-22S	2000 KG	(1375+2500+1375) ×1340×580	Φ300	22 pcs			
BT-HFR2500-26S	2500 KG	(1375+2500+1375) ×1340×580	Φ300	26 pcs			
BT-HFR3000-6S	3000 KG	Single row: (2600+2800+2600) ×600 Double row: (2600+2800+2600) ×1800	1200×640	16 pcs			
BT-HFR5T-12S	5 T	(2000+4300+2000) ×1900	1200×640	22 pcs			
BT-HFR10T-20S	10 T	(2000+4300+2000) ×1900	1200×640	26 pcs			



DC-Vacuum Lifter (22 Suckers)
BT-HFR2000-22S (2000 KG)



DC-Vacuum Lifter (22 Suckers)
BT-HFR2000-22S (2000 KG)



DC-Vacuum Lifter (20 Suckers)
BT-HFR2000-20S (2000 KG)



DC-Vacuum Lifter (20 Suckers)
BT-HFR2000-20S (2000 KG)



DC-Vacuum Lifter (8 Sets Of Suckers)
BT-HFR5000-8S (5000 KG)



DC-Vacuum Lifter (8 Sets Of Suckers)
BT-HFR5000-8S (5000 KG)



DC-Vacuum Lifter (22 Sets Of Suckers)
BT-HFR12T-22S (12 T)



DC-Vacuum Lifter (22 Sets Of Suckers)
BT-HFR12T-22S (12 T)

ARC GLASS VACUUM LIFTING

TYPE BT-SAG

FEATURES

Safe Load : 200KG - 600KG

Power System : DC12V

Product Features :

- BT-SAG series is suitable for curved glass hoisting and curtain wall installation;
- It can achieve 0-90° manual flipping and 0-360° manual rotation;
- Easy to operate, long battery life, and higher work efficiency;
- 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..



RELIABLE PERFORMANCE



EASY CONTROL



ENERGY EFFICIENT



STABLE OPERATION

SPECIFICATION

Product & Model	Safety Loading	Size (mm)	Sucker Diameter (mm)	Sucker Number	Power System	Control mode	Function
BT-SAG250-4S	250 KG	1200×560	Φ240	4 pcs	DC12V	Manual / Remote	0-90° Manual Flip+ 0-360° Manual Rotation
BT-SAG500-8S	500 KG	1800×560	Φ240	8 pcs			
BT-SAG600-12S	600 KG	2400×560	Φ240	12 pcs			



DC-Vacuum Lifter (10 Suckers)
BT-SAGH500-10S (500 KG)

ARC GLASS VACUUM LIFTING

TYPE BT-DAG

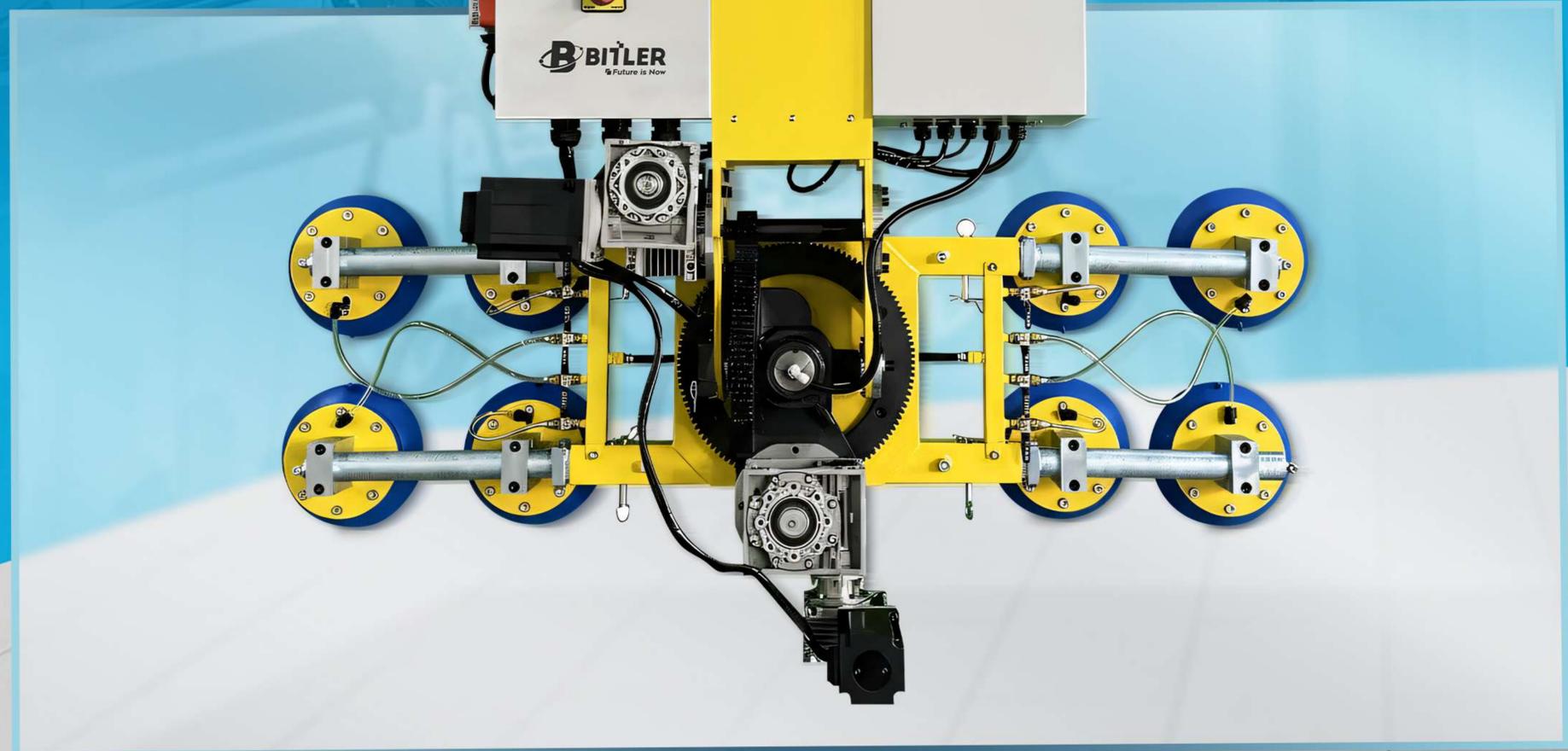
FEATURES

Safe Load : 400KG - 600KG

Power System : DC48V

Product Features :

- HP-DAG 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.



EASY CONTROL



STABLE OPERATION



ENERGY EFFICIENT



RELIABLE PERFORMANCE

SPECIFICATION

Product & Model	Safety Loading	Size (mm)	Sucker Diameter (mm)	Sucker Number	Power System	Control mode	Function
BT-DAG400-8S	400 KG	1800×560	Φ240	8 pcs	DC48V	Wireless Remote	0-90° Electric Flip+ 0-360° Electric Rotation
BT-DAG600-12S	600 KG	2400×560	Φ240	12 pcs			



DC-Vacuum Lifter
(10 Suckers)
BT-DAG500-10S
(500 KG)

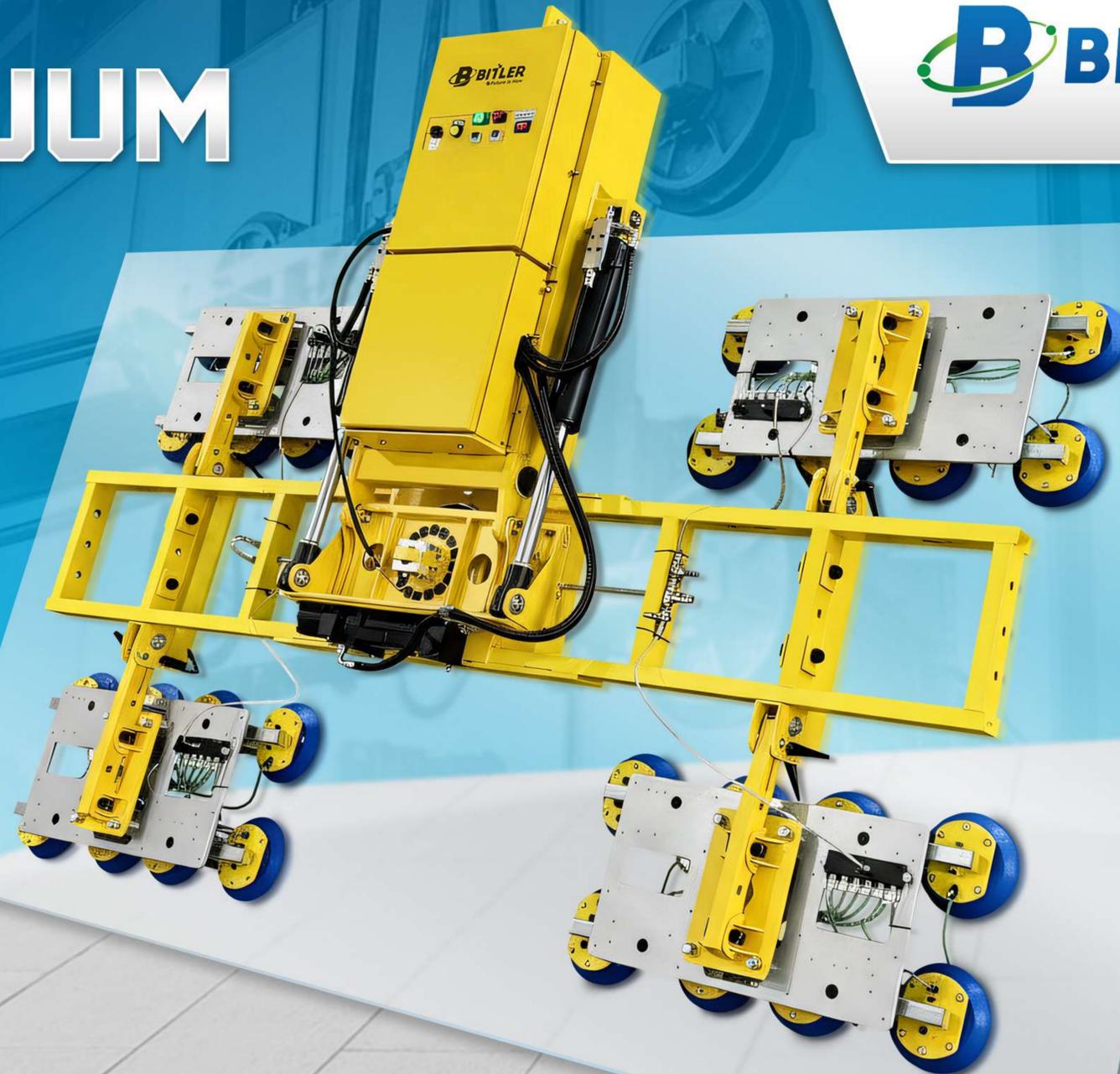
ARC GLASS VACUUM LIFTING

TYPE BT-YAG

FEATURES

Safe Load : 1T - 10T
 Power System : DC24V
 Product Features :

- BT-YAG series is suitable for large curved glass hoisting and curtain wall glass installation. Both the inner and outer arcs of the glass can be adsorbed;
- Hydraulically driven, it can achieve 0-90° hydraulic flipping and 0-360° hydraulic rotation;
- Modular vacuum suction cup group, using an independent vacuum system;
- For different curved glass, the suction cup group has adaptive adjustment function and automatically fits the glass;
- Analog control is used to fine-tune the flipping and rotation angles at the millimeter level;
- The frame size of the equipment can be customized according to customer needs.



RELIABLE PERFORMANCE



EASY CONTROL



ENERGY EFFICIENT



STABLE OPERATION

SPECIFICATION

Product & Model	Safety Loading	Size (mm)	Sucker Diameter (mm)	Sucker Number	Power System	Control mode	Function
BT-YAG1000-2S	1000 KG	3270×560	1150×560	2 pcs	DC24V	Wireless Remote	0-90° Hydraulic Flip+ 0-360° Hydraulic Rotation
BT-YAG2000-4S	2000 KG	2500×1800	1150×560	4 pcs			
BT-YAG3000-6S	3000 KG	Single row: (2600+2800+2600) ×600 Double row: (2600+2800+2600) ×1800	1150×560	6 pcs			
BT-YAG5000-12S	5000 KG	(2000+4300+2000) ×1900	1150×560	12 pcs			
BT-YAG10T-20S	10 T	(3000+6000+3000) ×1900	1150×560	20 pcs			



DC-Vacuum Lifer (4 sets of suckers) BT-YAG2000-4S (2000 KG)



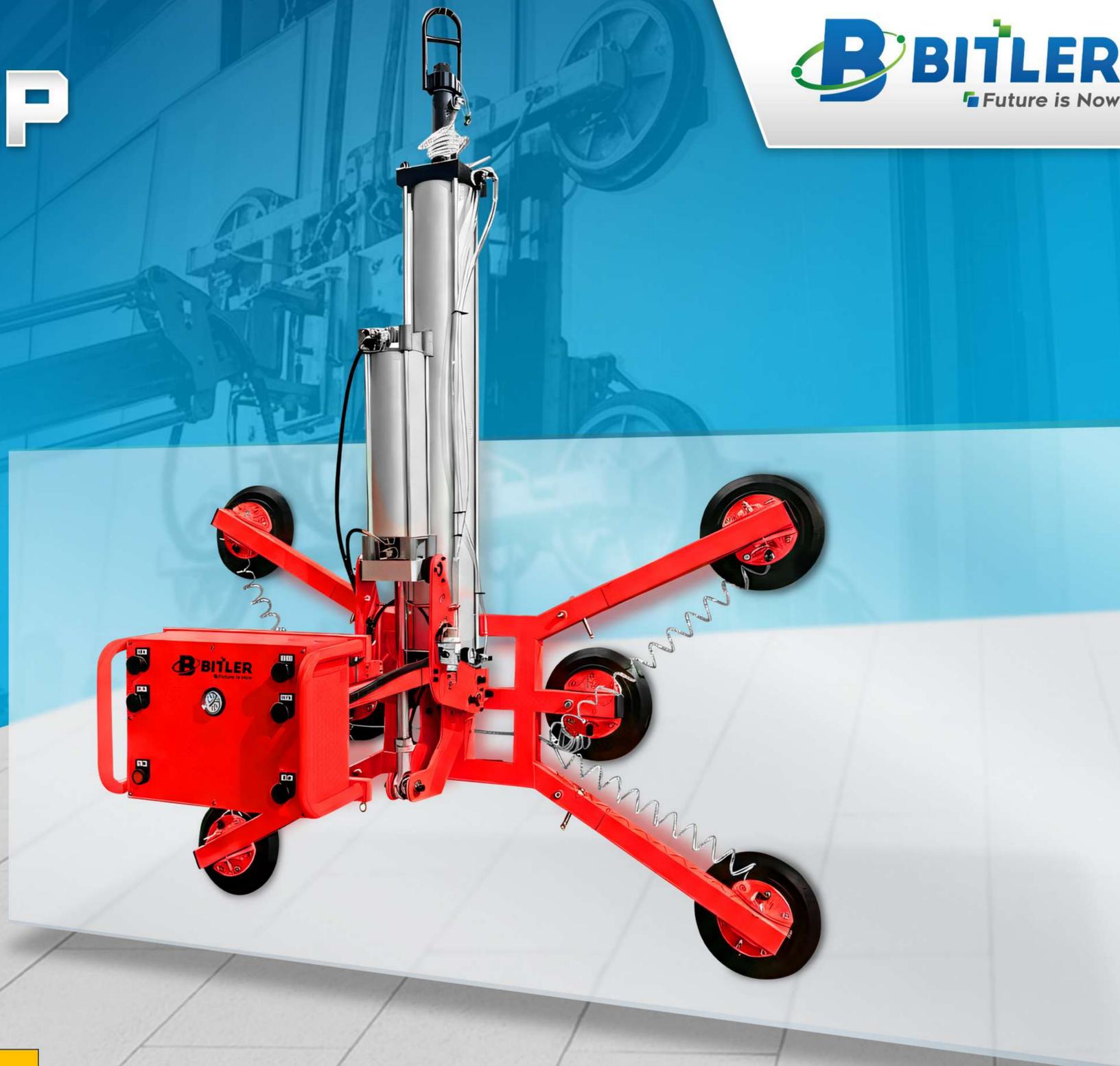
DC-Vacuum Lifer (4 sets of suckers) BT-YAG2000-4S (2000 KG)

PNEUMATIC FLIP (ROTATION)

TYPE BT-PFX

FEATURES

- Safe Load** : 150KG, 250KG, 350KG, 500KG
- Power System** : Compressed air (0.6 - 0.8Mpa)
- Product Features** :
 - BT-PFX series issued table 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.



EASY CONTROL



ENERGY EFFICIENT



STABLE OPERATION



RELIABLE PERFORMANCE

SPECIFICATION

Product & Model	Safety Loading	Size (mm)	Sucker Diameter (mm)	Sucker Number	Power System	Control mode	Function
BT-PFX150-2S	150 KG	760×250	Φ250	2 pcs	Compressed air (0.6-0.8Mpa)	Manual	0-90° Pneumatic Flip+ 0-90° Pneumatic Rotation
BT-PFX250-4S	250 KG	830×650 Extend: 1730×1100	Φ250	4 pcs			
BT-PFX350-6S	350 KG	830×650 Extend: 1730×1100	Φ250	6 pcs			
BT-PFX500-6S	500 KG	1020×810 Extend: 1930×1300	Φ300	6 pcs			



Pneumatic 90° Flip and Rotation (2 suckers)
BT-PFX150-2S (150KG)



Pneumatic 90° Flip and Rotation (4 suckers)
BT-PFX250-4S (250KG)



Pneumatic 90° Flip and Rotation (6 suckers)
BT-PFX350-6S (350KG)



Pneumatic 90° Flip and Rotation (6 suckers)
BT-PFX350-6S (350KG)



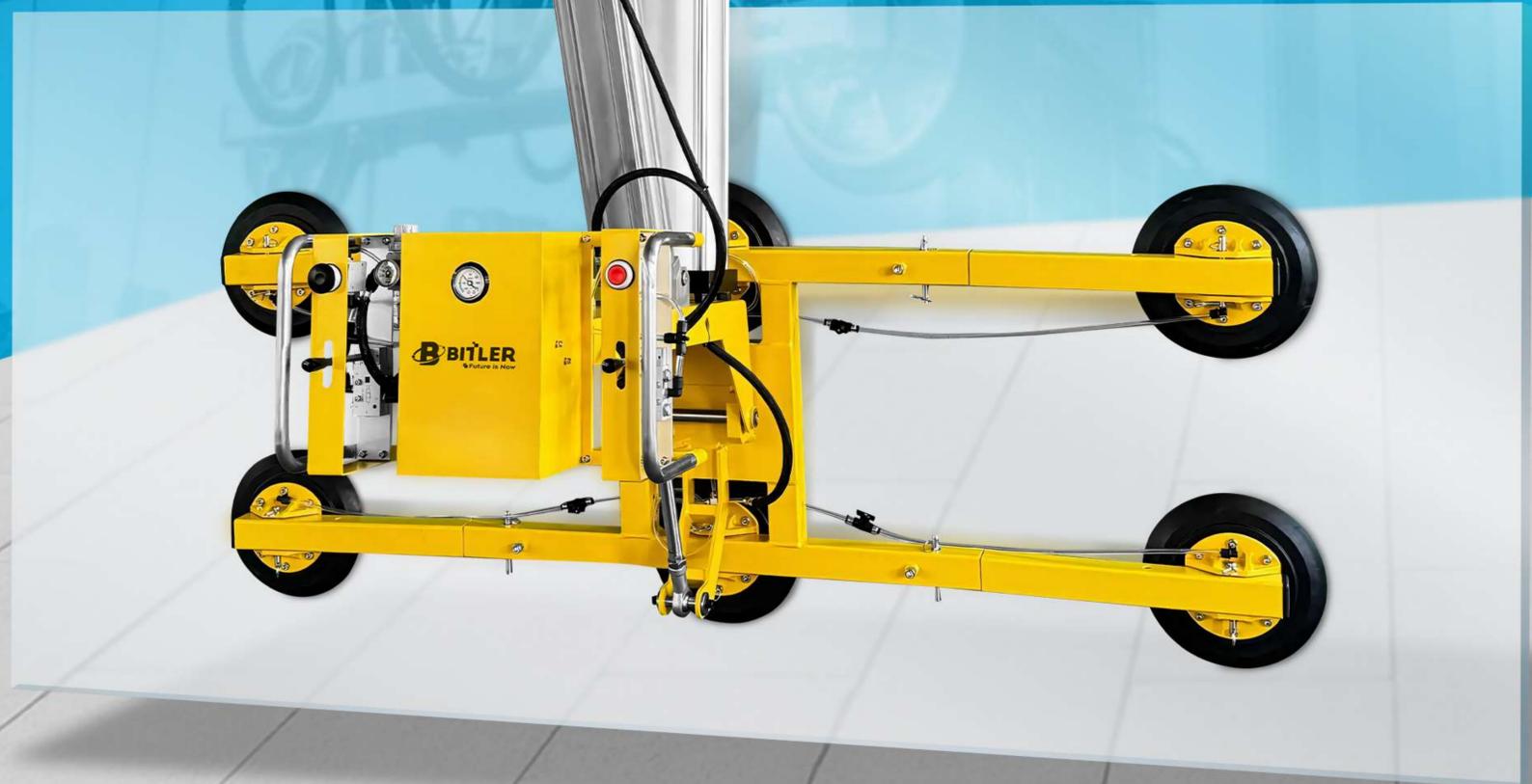
Pneumatic 90° Flip and Rotation (6 suckers)
BT-PFX500-6S (500KG)

PNEUMATIC FLIP (ROTATION)

TYPE BT-PFQ

FEATURES

- Safe Load : 500KG
- Power System : Compressed air (0.6 - 0.8Mpa)
- Product Features :
 - BT-PFQ series is suitable for glass deep processing stations such as tempering furnace unloading, laminating kettle feeding, glass sub-frame gluing, etc;
 - The equipment frame is sturdy, with large load and stable operation;
 - Fixed stations are used with Standing Jib Cranes, Wall-mounted Jib Cranes and Overhead Gantry Cranes, which is convenient and fast;
 - Cylinder lifting can realize 0-90° pneumatic flipping of glass;
 - German HAFNER pneumatic control valve can make millimeter-level fine adjustments to the cylinder.



EASY CONTROL

ENERGY EFFICIENT

STABLE OPERATION

RELIABLE PERFORMANCE

SPECIFICATION

Product & Model	Safety Loading	Size (mm)	Sucker Diameter (mm)	Sucker Number	Power System	Control mode	Function
BT-PFQ500-6S	500 KG	1140×840 Extend: 2150×840	Φ300	6 pcs	Compressed air (0.6-0.8Mpa)	Manual	0-90° Pneumatic Flip
BT-PFQ300-4S	300 KG	850×570 Extend: 1800×570	Φ250	4 pcs			0-90° Pneumatic Rotation



Pneumatic 90° Flip (8 suckers)
BT-PFQ500-8S (500KG)



Pneumatic 90° Flip (6 suckers)
BT-PFQ500-6S (500KG)



Pneumatic 90° Rotation (4 suckers)
BT-PFQ250-4S (250KG)

PNEUMATIC FLIP (ROTATION)

TYPE BT-PFD

FEATURES

Safe Load : 400KG
 Power System : Compressed air (0.6-0.8 Mpa)
 Product Features :

- BT-PFD series is suitable for glass processing and curtain wall processing such as photovoltaic glass assembly and glass sub-frame gluing;
- The equipment has low clearance requirements and is suitable for use in low-clearance workshops;
- Electric hoist lifting and pneumatic 90° flipping;
- Can be used with fixed column cantilever crane or factory crane.



Pneumatic 90° Flip (6 suckers)
BT-PFD400-6S (400KG)



Pneumatic 90° Flip (6 suckers)
BT-PFD400-6S (400KG)



STABLE OPERATION



ENERGY EFFICIENT



EASY CONTROL



RELIABLE PERFORMANCE

SPECIFICATION

Product & Model	Safety Loading	Size (mm)	Sucker Diameter (mm)	Sucker Number	Power System	Control mode	Function
BT-PFD400-6S	400 KG	860×680 Extend: 1760×1130	Φ250	6 pcs	Compressed air (0.6-0.8Mpa)	Manual	0-90° Pneumatic Flip

MANUAL FLIP SERIES

TYPE BT-MF

FEATURES

- Safe Load : 1500KG, 2000KG
- Power System : DC12V Battery
- Product Features :
 - BT-MF series is suitable for indoor hoisting of large and extra-large glass panels;
 - 0-90° manual flipping, with higher handling efficiency and faster speed after skilled operation;
 - Long battery life, the whole machine is sturdy and durable, and the later maintenance cost is low.



EASY CONTROL



STABLE OPERATION



ENERGY EFFICIENT



RELIABLE PERFORMANCE



DC-Vacuum Lifter (20 Suckers)
BT-MF2000-20S (2000KG)



DC-Vacuum Lifter (30 Suckers)
BT-MF3000-30S (3000KG)

SPECIFICATION

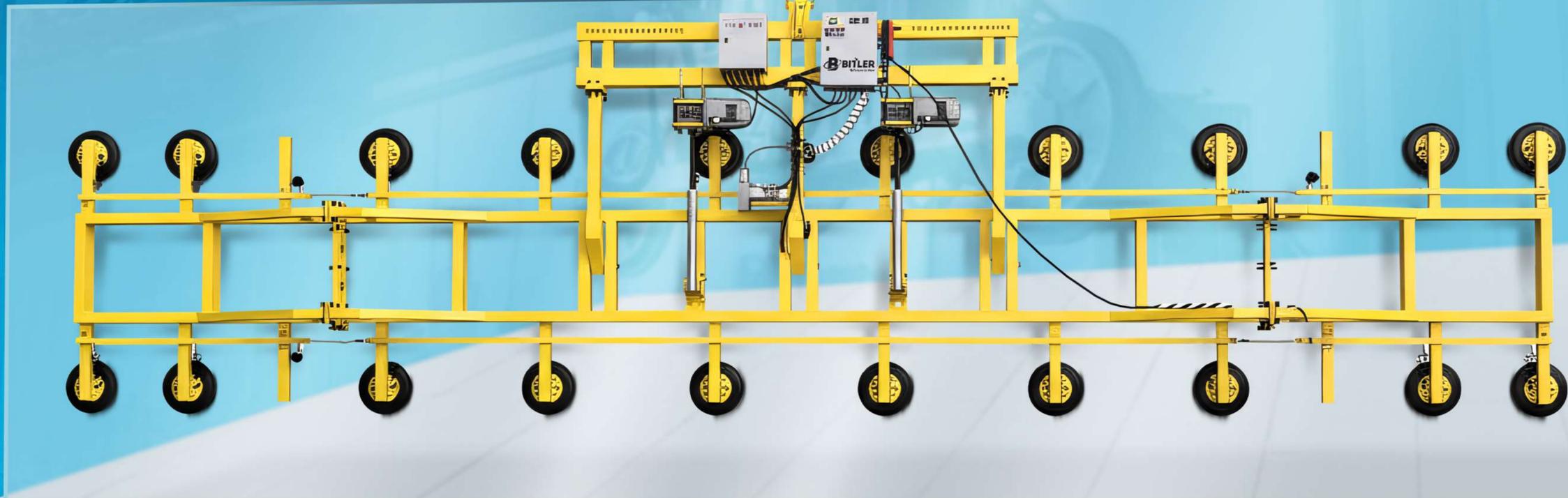
Product & Model	Safety Loading	Size (mm)	Sucker Diameter (mm)	Sucker Number	Power System	Control mode	Function
BT-MF1500-16S	1500 KG	(1375+2500+1375) x1540	φ300	16 pcs	DC12V	Manual / Remote	0-90° Manual Flip
BT-MF2000-20S	2000 KG	(1375+5000+1375) x1740		20 pcs			

ELECTRIC FLIP SERIES

TYPE BT-EF

FEATURES

- Safe Load : 1500KG, 3000KG
- Power System : AC208 - 460V (±10%)
- Product Features :
 - BT-EF series issued table for hoisting large glass panels in factories;
 - High-precision turbine worm gear is used to realize 0-90° electric flipping of glass, which is simple and convenient to operate;
 - German brand large-flow vacuum pump is used, which has large flow, fast suction and high vacuum degree;
 - AC power connection is suitable for long-term uninterrupted operation.



EASY CONTROL



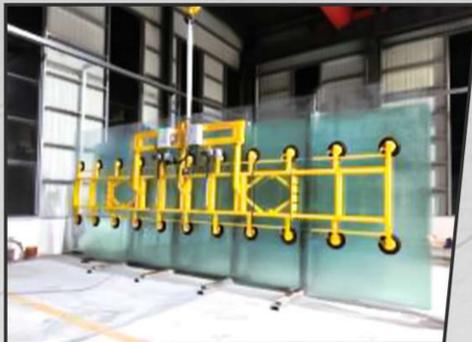
STABLE OPERATION



ENERGY EFFICIENT



RELIABLE PERFORMANCE



DC-Vacuum Lifter (22 Suckers)
BT-EF2000-22S (2000KG)



DC-Vacuum Lifter (30 Suckers)
BT-EF3000-30S (3000KG)

SPECIFICATION

Product & Model	Safety Loading	Size (mm)	Sucker Diameter (mm)	Sucker Number	Power System	Control mode	Function
BT-EF1500-16S	1500 KG	6250×1750	Φ300	16 pcs	AC208-460V (±10%)	Wireless Remote	0-90 ° Electric Flip
BT-EF2000-20S	2000 KG	(2125+6000+2125) ×1750		20 pcs			
BT-EF3000-30S	3000 KG	(3125+6000+3125) ×1750		30 pcs			

HYDRAULIC FLIP SERIES

TYPE BT-HF

FEATURES

Safe Load : 2T - 10T
 Power System : DC24V
 Product Features :

- The length of the BT-HF series equipment can reach 18-20m, which is suitable for the hoisting of large glass panels in factories;
- The analog control is adopted, and the flip angle can be fine-tuned at the milli meter level;
- The system is stable and easy to operate; the double button delayed deflation is safe and reliable;
- Some models use independent vacuum modules, which have higher safety and work efficiency;
- The equipment adopts multi-section splicing, which is suitable for hoisting glass of various lengths.



EASY CONTROL



ENERGY EFFICIENT



STABLE OPERATION



RELIABLE PERFORMANCE

SPECIFICATION

Product & Model	Safety Loading	Size (mm)	Sucker Diameter (mm)	Sucker Number	Power System	Control mode	Function
BT-HF2000-20S	2000 KG	(1375+2500+1375) ×1340	Φ300	20 pcs	DC24V	Wireless Remote	0-90° Hydraulic Flip
BT-HF3000-8S	3000 KG	(1250+2500+1250) ×1800	1000×640	8 pcs			
BT-HF5000-12S	5000 KG	(2000+4300+2000) ×1900	1000×640	12 pcs			
BT-HF10T-20S	10T	(3000+6000+3000) ×1900	1000×640	20 pcs			



DC-Vacuum Lifter (12 Suckers)
BT-HF1200-12S (1200KG)



DC-Vacuum Lifter (22 Suckers)
BT-HF2000-22S (2000KG)

ARC GLASS DEEP - PROCESSING VACUUM LIFTING

TYPE BT-AGDP

FEATURES

- Safe Load : 1T - 10T
 Power System : DC24V
 Product Features :
- BT-AGDP series issued table for the lifting of curved glass factories. Both the inner and outer curves of the glass can be adsorbed;
 - It is driven by a hydraulic cylinder and can achieve 0-90° hydraulic flipping;
 - It adopts analog control and can fine-tune the flipping angle at the millimeter level;
 - The modular vacuum suction cup group adopts an independent vacuum system, which is safer and more reliable;
 - For different curved glass, the suction cup group has an adaptive adjustment function and automatically fits the glass.



STABLE OPERATION



RELIABLE PERFORMANCE



EASY CONTROL



ENERGY EFFICIENT

SPECIFICATION

Product & Model	Safety Loading	Size (mm)	Sucker Diameter (mm)	Sucker Number	Power System	Control mode	Function
BT-AGDP1000-2S	1000 KG	2500×650	1150×560	2 pcs	DC24V	Wireless Remote	0-90° Hydraulic Flip
BT-AGDP2000-4S	2000 KG	2500×1800		4 pcs			
BT-AGDP3000-8S	3000 KG	(1250+2500+1250) x1800		8 pcs			
BT-AGDP5000-12S	5000 KG	(2000+4300+2000) x1900		12 pcs			
BT-AGDP10T-20S	10 T	(3000+6000+3000) x1900		20 pcs			



DC-Vacuum Lifter (2 sets of Suckers) BT-AGDP1000-2S (1000KG)



DC-Vacuum Lifter (2 sets of Suckers) BT-AGDP1000-2S (1000KG)

COIL VACUUM LIFTERS

TYPE BT-CV

FEATURES

Safe Load : 200KG - 3000KG
 Power System : AC208 - 460V (±10%)

- Product Features :
- BT-CV series is widely used for non-destructive handling of various coils such as aluminum coils, copper coils, and steel coils;
 - High-precision turbine worm gear is used to achieve 0-90° electric flipping, which is simple and convenient to operate;
 - German brand large-flow vacuum pump, large flow, fast suction speed, and high working efficiency;
 - Germany patented sponge strip, high and low lip design, can quickly form a vacuum environment;
 - The suction cup can adopt multiple chambers, each chamber is independently controlled, and can adapt to coils of different outer diameters.



EASY CONTROL



ENERGY EFFICIENT



STABLE OPERATION



RELIABLE PERFORMANCE



AC-Aluminum Coil Vacuum Lifter (single chamber)
BT-CV250-1S (250KG)



AC-Aluminum Coil Vacuum Lifter (multi-chamber)
BT-CV1000-3S (1000KG)



AC-Aluminum Coil Vacuum Lifter (multi-chamber)
BT-CV1300-3S (1300KG)



Mobile Aluminum Coil Vacuum Lifter
BT-CV500-1S (500KG)

PLYWOOD VACUUM LIFTERS

TYPE BT-PW

FEATURES

- Safe Load : 200KG - 2000KG
- Power System : Multiple power options
- Product Features :
 - BT-PW 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 cup can be selected for composite panels with different surfaces.



EASY CONTROL



ENERGY EFFICIENT



STABLE OPERATION



RELIABLE PERFORMANCE



DC-Vacuum Lifter
(8 Suckers)
BT-PW200-8S (200KG)



AC-Vacuum Lifter
(14 Suckers)
BT-PW1500-14S (1500KG)



AC-Vacuum Lifter
(4 Suckers)
BT-PW400-4S (400KG)



AC-Vacuum Lifter
(10 Suckers)
BT-PW500-10S (500KG)

MARBLE VACUUM LIFTERS

TYPE BT-MBL

FEATURES

Safe Load : 0.5T - 20T
 Power System : Multiple power options
 Product Features :

- BT-MBL series is suitable for marble hanging, refractory brick hoisting, stone plate cutting and handling, crucible production and handling, cement pipe segment hoisting, etc;
- According to the process requirements of different customers, the equipment can choose 0-90° flip, 0-360° rotation and other functions;
- For rough and uneven stone surfaces, you can choose the Harmony patented sponge suction cup.



EASY CONTROL



ENERGY EFFICIENT



STABLE OPERATION



RELIABLE PERFORMANCE



AC-Vacuum Lifter
(3 Suckers)
BT-MBL5000-3S (5000KG)



DC-Vacuum Lifter
(1 Suckers)
BT-MBLSFXi500-1S (500KG)



DC-Vacuum Lifter
(4 Suckers)
BT-MBLSFX400-4S (400KG)



DC-Vacuum Lifter
(8 Suckers)
BT-MBLSFX800-8S (800KG)

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