

Company: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Job Title: \_\_\_\_\_

Address: \_\_\_\_\_

TEL: ( ) \_\_\_\_\_ FAX: ( ) \_\_\_\_\_

Project Title: \_\_\_\_\_

• Preferred Contact Method

- by telephone
- by facsimile
- face to face
- by e-mail

• Installation time:

- in one month
- in four months
- more than four months
- as soon as possible

• Roof Type

- flat roof
- slanting roof

• Installation

- by customer
- by Globe Star

• Installation Environment

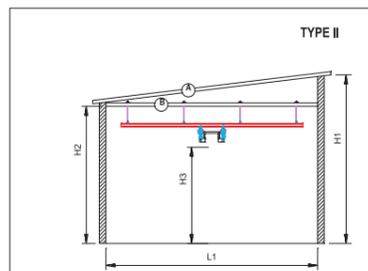
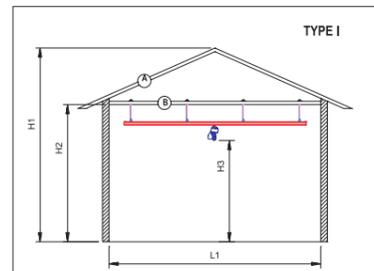
Roof height H2 : \_\_\_\_\_ m/m      Load capacity : \_\_\_\_\_ kg  
 Max. roof height H1 : \_\_\_\_\_ m/m      Span width : \_\_\_\_\_ m/m  
 Area width L1 : \_\_\_\_\_ m/m      Runway length : \_\_\_\_\_ m/m  
 Max. hanging point HO : \_\_\_\_\_ m/m      Hanging point distance c : \_\_\_\_\_ m/m  
 Bridge quantity in one runway : \_\_\_\_\_

• Factory Construction

- Steel Frame
- RC beam
- RC roof
- others

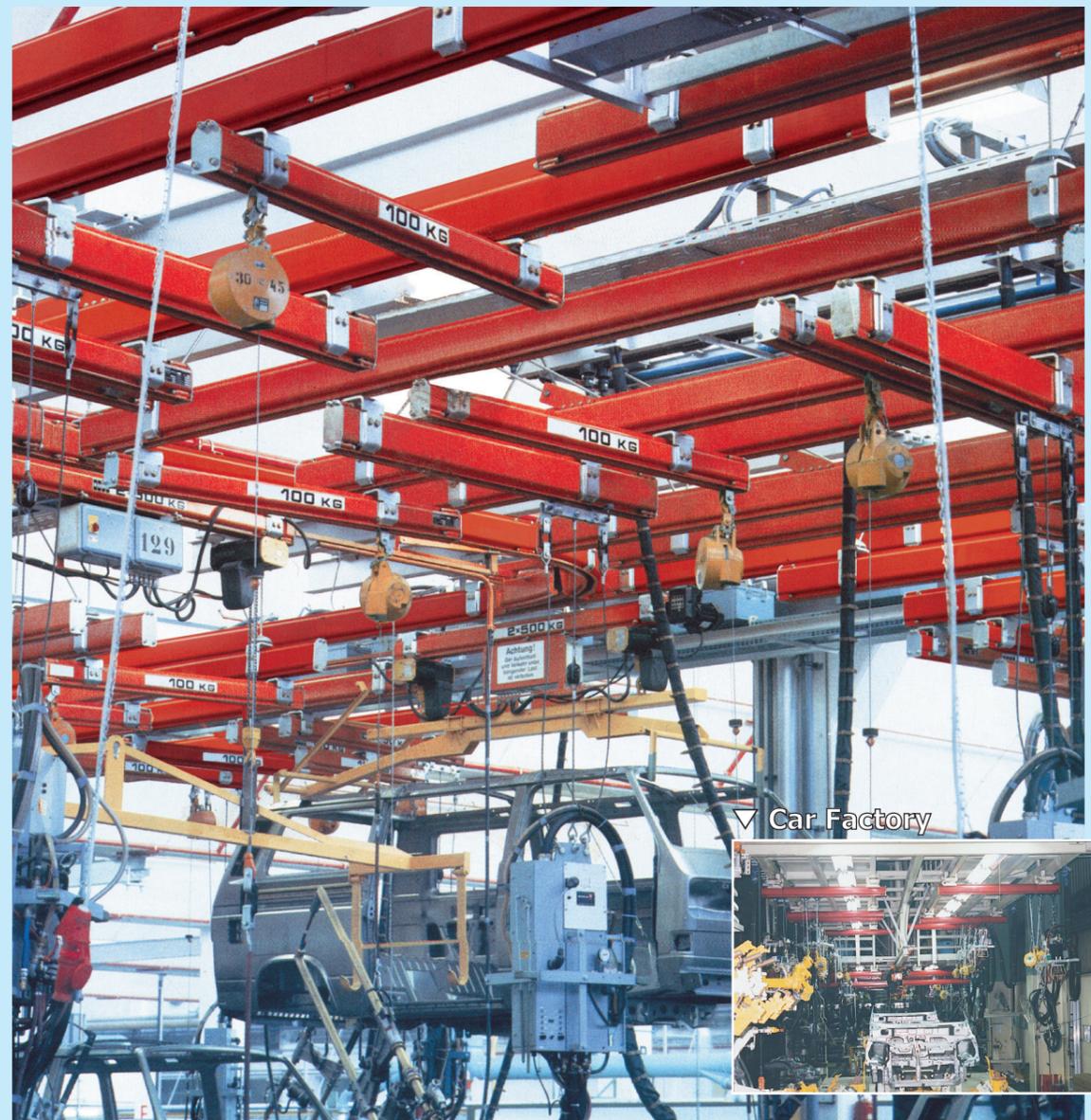
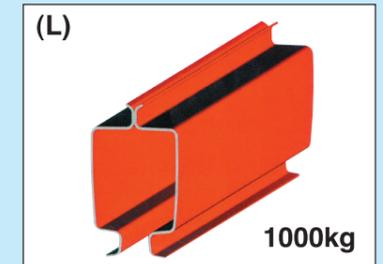
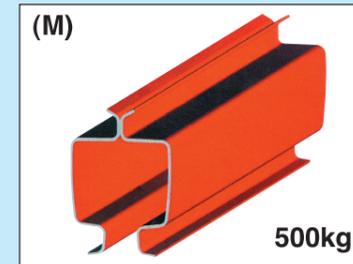
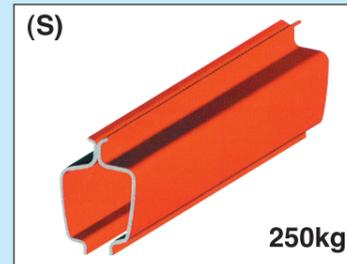
• Please fill in below forms if you need monorail fixing type.

Load capacity : \_\_\_\_\_ kg      Travel Length : \_\_\_\_\_ m/m  
 Hanging point distance : \_\_\_\_\_ m/m      Hoist quantity : \_\_\_\_\_  
 Monorail Motorized Trolley :  with       without

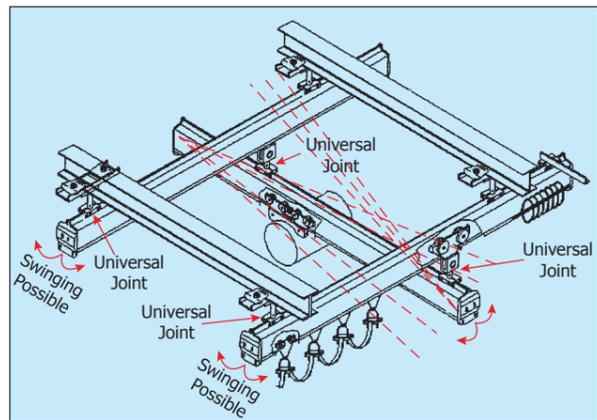


TYPE I     TYPE II  
 H1= \_\_\_\_\_ mm  
 H2= \_\_\_\_\_ mm  
 H3= \_\_\_\_\_ mm  
 L1= \_\_\_\_\_ mm

The Most **Powerful** System in Production Lines  
**Great Flexibility, Smooth Operation,**  
**High Efficiency and Simple Installation**  
 Load Capacity : 80~1000 Kg  
**KBK The best rail to replace I beam rail**



# I · Features of KBK



**Traditional Crane Movement**

Moving Time  
 $\overline{AB} = X + Y + Z = T$   
 $5 + 5 + 5 = 15(s)$

**KBK Crane Movement**

Moving Time  
 $\overline{AB} = \frac{X}{Y} = T$   
 $Z = 5(s)$

## Time-saving Movement for X. Y. Z. Axis

### 1. Smooth Operation With Low Noise

KBK's trolleys, consisting of durable bearings, travel with low noise and little friction, and do not generate iron scrap or leak oil. Universal joints of the clamps make crane operation smooth and agile.

### 2. Time-saving 3 Axis Movement

KBK's 3 axis movement makes it a time-saving tool for a variety of factories, such as motor factories, clean room factories, logistic factories, and factories requiring efficient movements of materials or components.

### 3. Simple Installation

KBK light rail system is designed to be connected with bolts and latches. With basic tools like hex wrenches, open-ended wrenches, and a level, one can easily complete the installation.

### 4. High Adaptability

KBK light rail system can adapt to a wide variety of locations, such as general factories, residence, and temporary constructions. It can be directly installed onto ceilings, RC beams, H-shaped beams, and flat or pitched roofs.

### 5. Great Flexibility

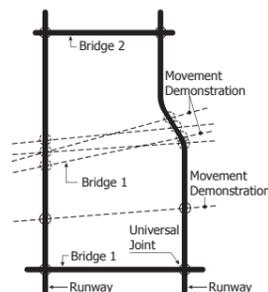
KBK light rail system can easily meet the needs of workplaces by extending or shortening vertical and horizontal beams.

### 6. Excellent Adjustability

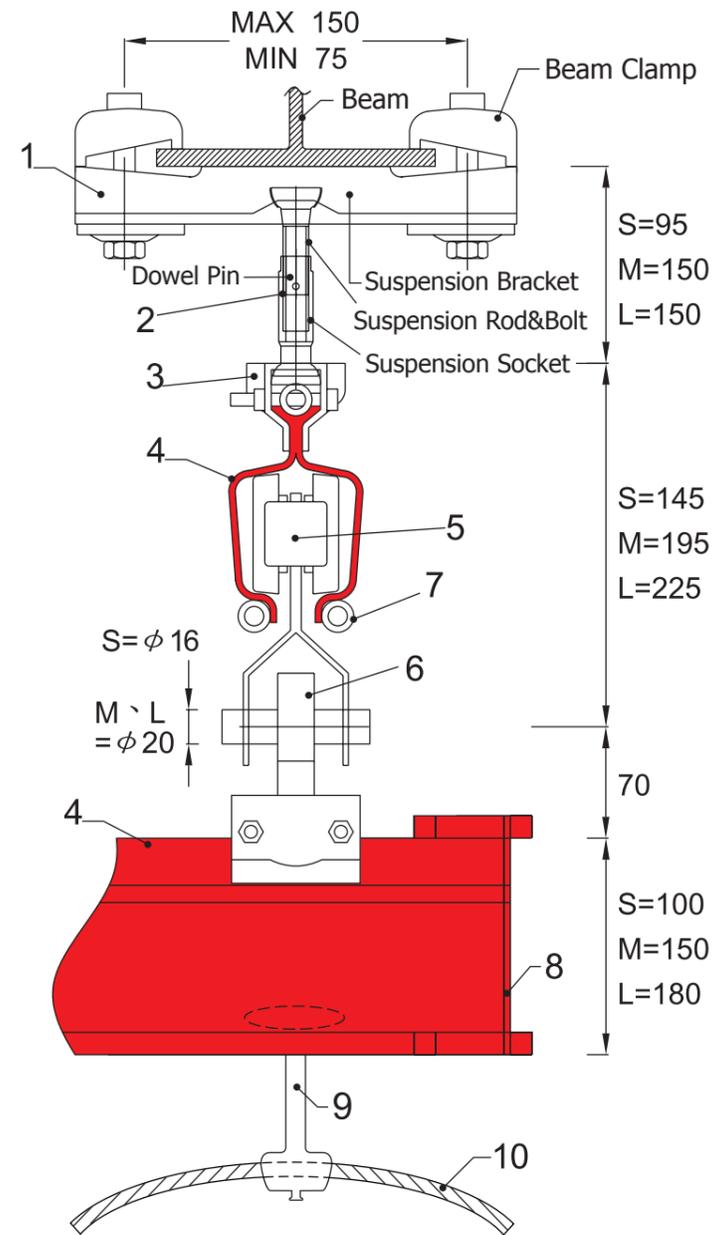
The excellent adjustability of KBK light rail system makes it perfect for workplaces with height limitation or unparalleled vertical beams (see illustration right). Compared with traditional overhead cranes, KBK light rail system is much more ideal for small and medium sized factories.

### 7. Easy Disassembly and Reassembly

KBK light rail system can be easily disassembled and reassembled, saving extra investment costs in case of relocations of factories or production lines.



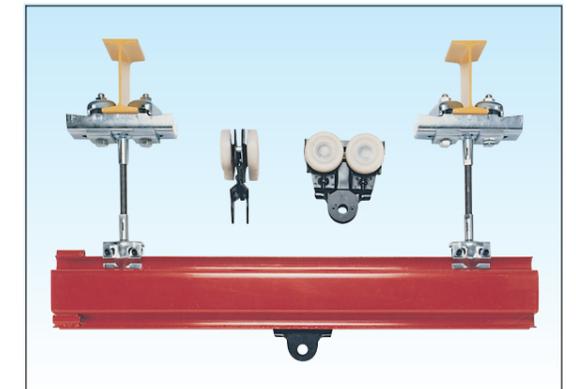
# II · Assembly Drawing



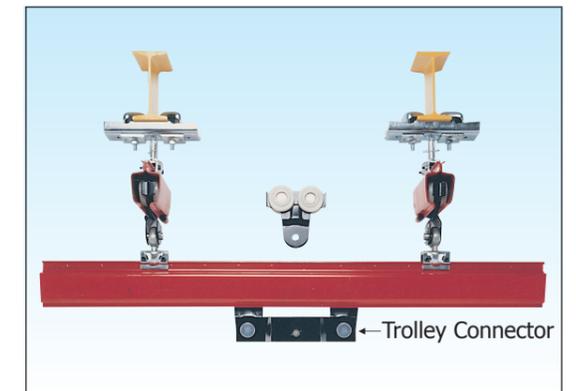
Description : • Beam Clamp = T type clamp + Beam Clamp  
 • Suspension Bracket Set = Suspension Clamp + Socket + Rod&Bolt + Bracket  
 • Suspension Eye = Hanger + Rail Clamp

- |                                    |                  |
|------------------------------------|------------------|
| 1 Suspension Bracket (200,250,300) | 6 Suspension Eye |
| 2 Suspension Socket                | 7 Joint Socket   |
| 3 Suspension Clamp                 | 8 End Stop       |
| 4 KBK Light Rail                   | 9 Cable Clip     |
| (KBK-S,KBK-M,KBK-L)                | 10 Cable         |
| 5 KBK Trolley                      |                  |

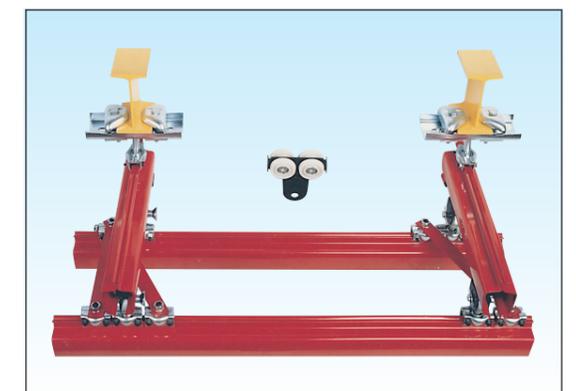
# III · Assembly Type



▲ Single Rail

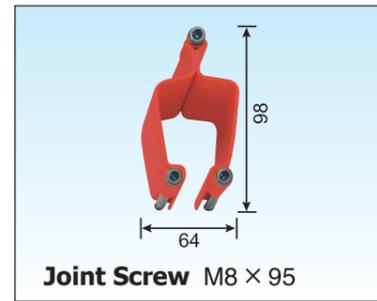


▲ Double Runway Rails & Single Bridge Rail



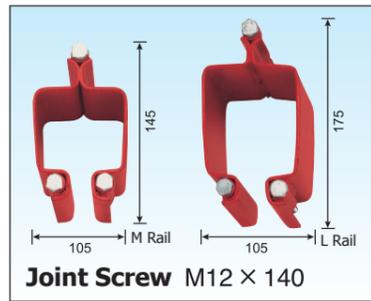
▲ Double Runway Rails & Double Bridge Rails

## IV - Parts



KBK-S060  
S Light Rail

Joint Screw M8 × 95



KBK-M060  
M Light Rail

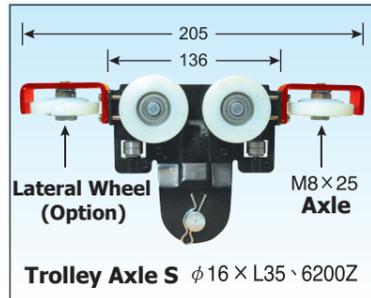
KBK-L060  
L Light Rail

Joint Screw M12 × 140



KBK-S100  
S Suspension  
Clamp

KBK-M100  
M · L  
Suspension  
Clamp



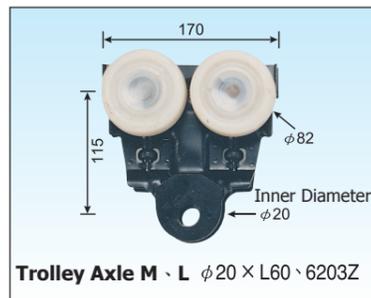
KBK-S500  
S Trolley

Trolley Axle S  $\phi 16 \times L35 \cdot 6200Z$



KBK-S100-1  
Clamp with Ball  
Head Suspension  
Rod & Bolt

KBK-M, L100-1  
Clamp with Ball  
Head Suspension  
Rod & Bolt



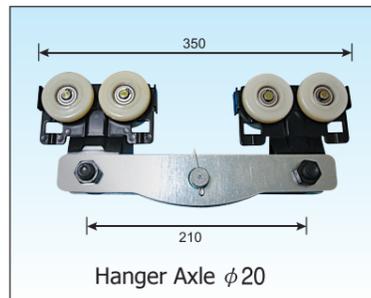
KBK-M500  
M · L Trolley

Trolley Axle M · L  $\phi 20 \times L60 \cdot 6203Z$



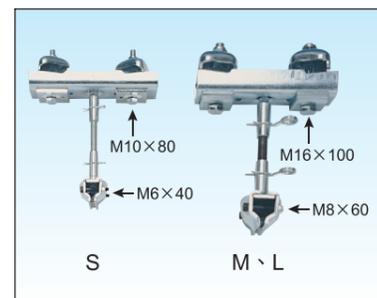
KBK-S100-2  
Suspension  
Clamp with  
Threaded Rod  
(1 meter / pc)

KBK-M, L100-2  
Suspension  
Clamp with  
Threaded Rod  
(1 meter / pc)



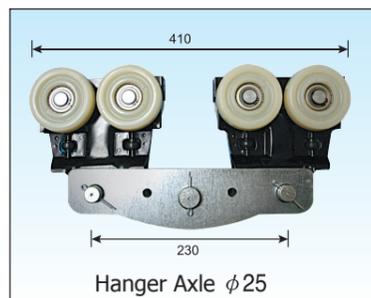
KBK-S502  
S  
Double Trolley

Hanger Axle  $\phi 20$



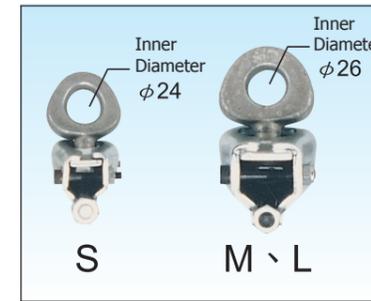
KBK-S101  
KBK-S  
Suspension  
Bracket Sets for  
H Beam

KBK-M101  
KBK-M · L  
Suspension  
Bracket Sets for  
H Beam



KBK-M502  
M · L  
Double Trolley

Hanger Axle  $\phi 25$



KBK-S102  
S Crane  
Suspension Eye

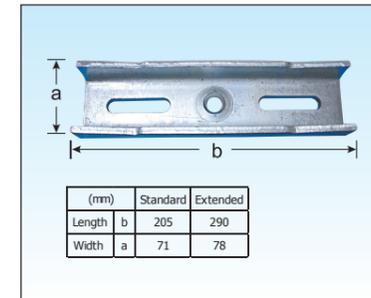
KBK-M102  
M · L Crane  
Suspension Eye

S M · L



End Stop with  
Rubber Buffer  
KBK-S200  
KBK-M200  
KBK-L200

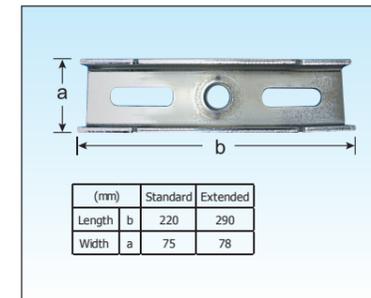
M, L Cover Screw  
M12 × 75  
S Cover Screw  
M8 × 50



KBK-S101-1  
S Standard  
Suspension Bracket  
(H75-125)

KBK-S101-1  
S Extended  
Suspension Bracket  
(H125-250)

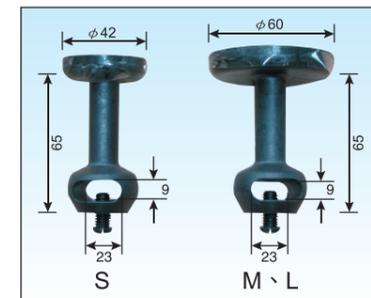
(mm)	Standard	Extended
Length b	205	290
Width a	71	78



KBK-M, L101-1  
M · L Standard  
Suspension Bracket  
(H75-125)

KBK-M, L101-1L  
M · L Extended  
Suspension Bracket  
(H125-250)

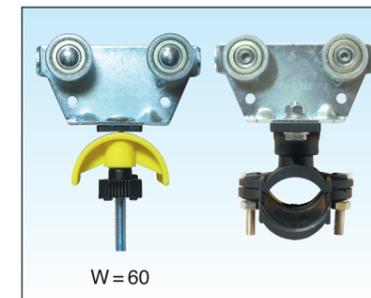
(mm)	Standard	Extended
Length b	220	290
Width a	75	78



KBK-S501  
S Cable Clip

KBK-M501  
M · L Cable Clip

S M · L



Trolley for  
Flat Cable  
KBK-S505  
KBK-M506

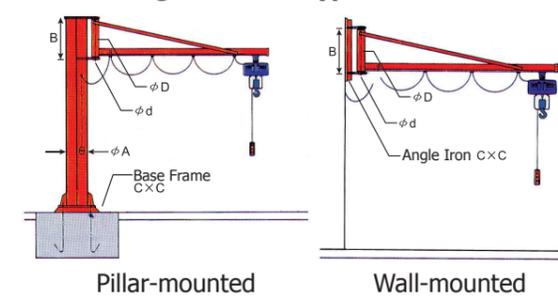
Trolley for  
Round Cable  
KBK-S507  
KBK-M508

## V - Parts

### 1. Bridge Type

TYPE	Load(kg)	Rail Type	Span max. (M)	Runway Length (M)	TYPE	Load(kg)	Rail Type	Span max. (M)	Runway Length (M)	
Single Bridge	125	KBK-S	4.6	Unlimited	Double Bridge	125	KBK-S	6.2	Unlimited	
	250	KBK-M	6.8			KBK-M	7.6			
		KBK-S	2.8			KBK-S	5.0			
	500	KBK-M	6.1			KBK-M	7.6			
		KBK-L	6.8			KBK-L	8.8			
1000	KBK-M	3.7	KBK-M	6.5						
	KBK-L	5.9	KBK-L	8.8						
	KBK-L	3.5	KBK-M	3.8						
									KBK-L	6.1

### 2. Slewing Jib Crane Type



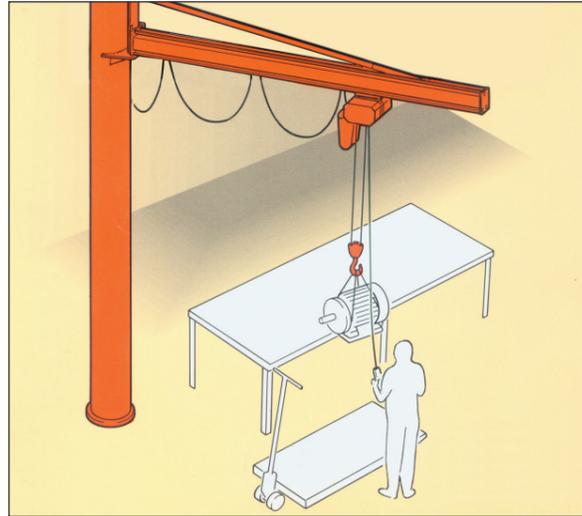
Pillar-mounted

Wall-mounted

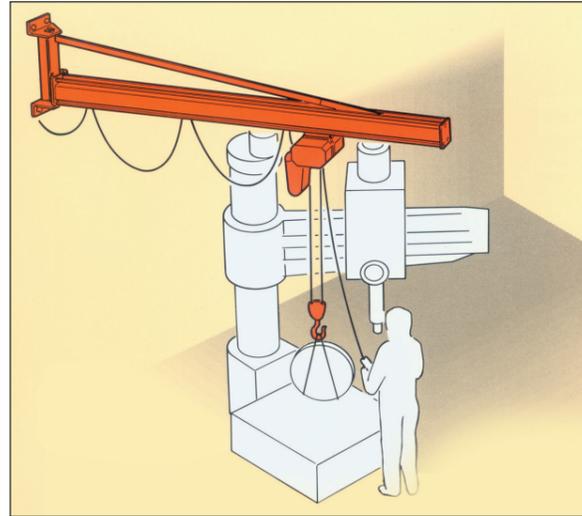
## VI - Loading Table

Type	Load (kg)	Rail Type	max. (M)	A (mm)	$\phi$ DXB (mm)	$\phi$ d (mm)	C (mm)
Pillar 0°~270°	250	KBK-S	4.0	$\phi 250$	100 × 700	35	300
	500	KBK-M	3.0	$\phi 300$	120 × 900	40	400
	1000	KBK-L	3.0	$\phi 350$	130 × 1000	45	500
Wall 0°~180°	250	KBK-S	5.0	—	100 × 700	35	150
	500	KBK-M	4.0	—	120 × 900	40	180
	1000	KBK-L	4.0	—	130 × 1000	45	200

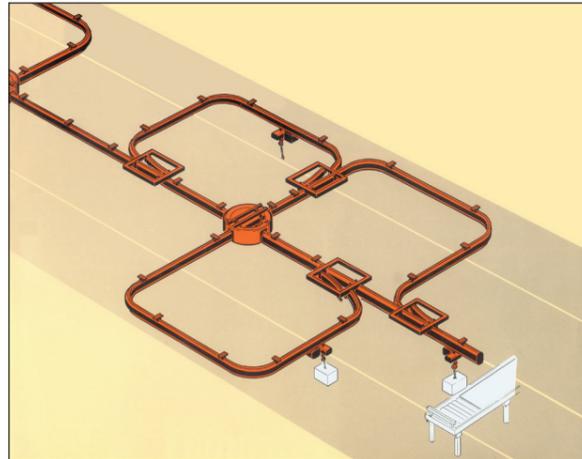
## KBK Light Rail System Application



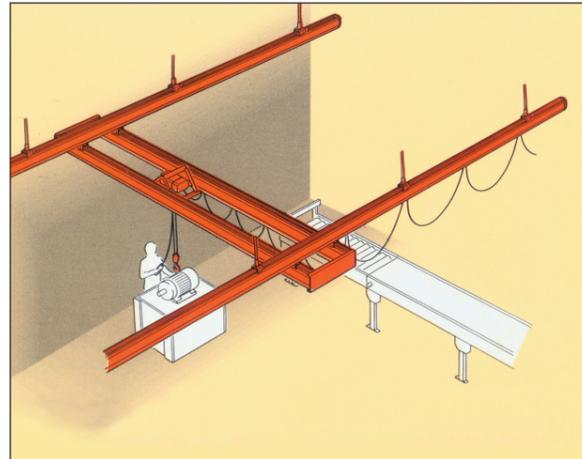
▲ Pillar-mounted Slewing Jib Crane



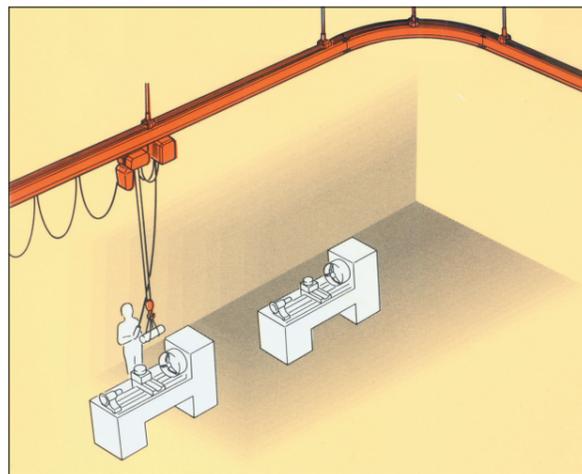
▲ Wall-mounted Slewing Jib Crane



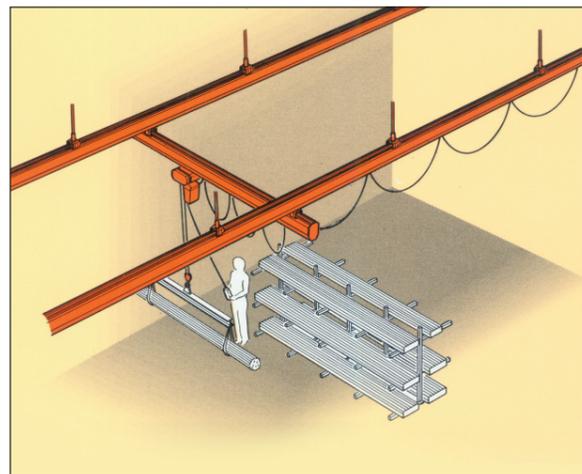
▲ Rail Changing System



▲ Cross with Twin Bridges



▲ Curved Monorail



▲ Cross with Single Bridge

## KBK Transportation System

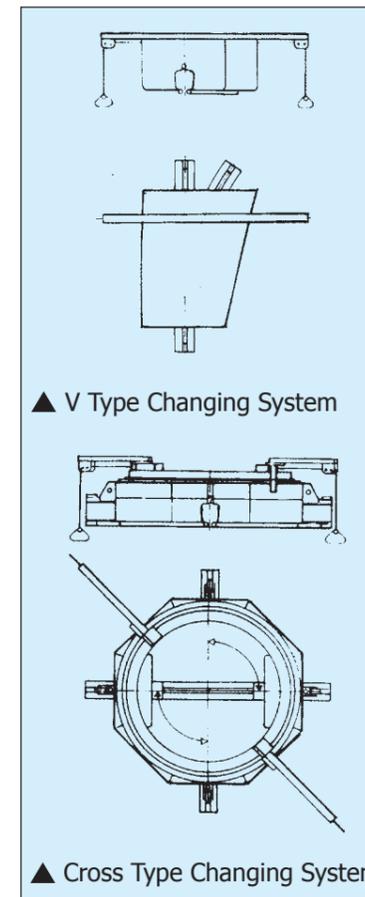
1. Standard Straight Rail System : Multiple rails can be connected as straight system.
2. Cross Type System : Bridges can be added depends on the application.
3. Cross Type Rail Changing System and V Type Rail Changing System : High adaptability to transport different products.



▲ KBK Monorail System

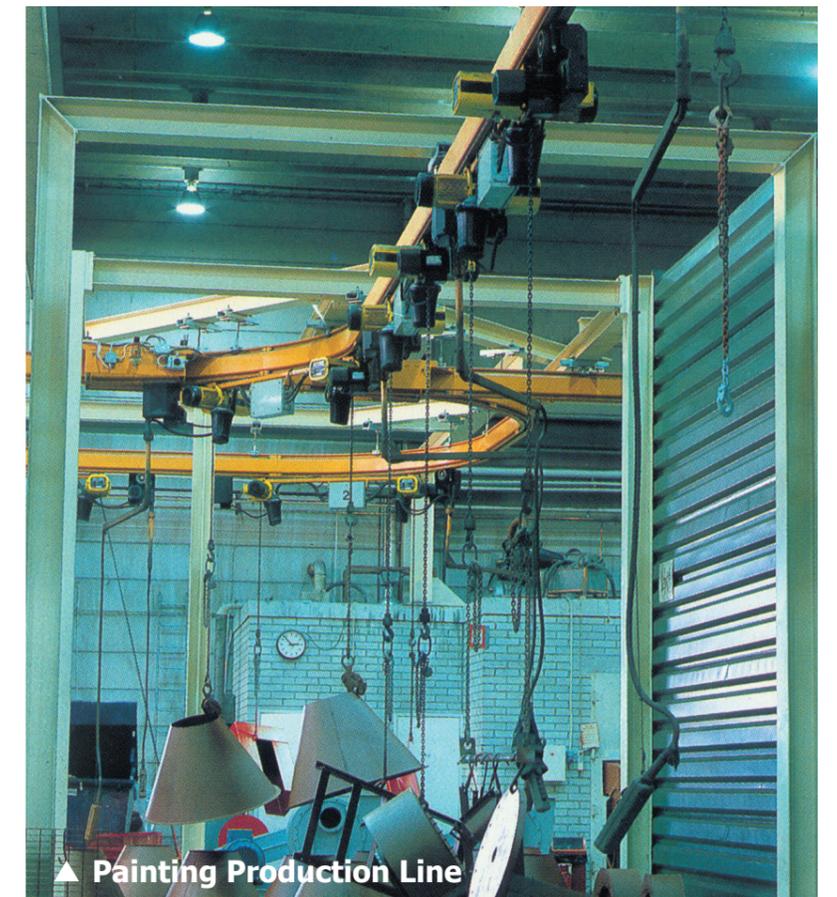


▲ KBK Monorail Changing System



▲ V Type Changing System

▲ Cross Type Changing System



▲ Painting Production Line

# Performance

※ We thank for Yulon Motor, Ford , KuoZui Motor, Prince Motor, China Motor, Formosa Automobile, etc. to adopt our light rail system.



▲ Chemical Tank Handling ▲ Mould Changing System



▲ Crane System for Blower Production Line



▲ TIG Soldering Machine Hangers



▲ Mobile Gantry Crane



▲ Mobile Gantry Crane



▲ Production Line



▲ Production Line of Electronics Factory

# V - Stacker Crane



▲ Stacker Crane - 1



▲ Stacker Crane - 2



▲ Stacker Crane - 3



▲ Plate Material Handling

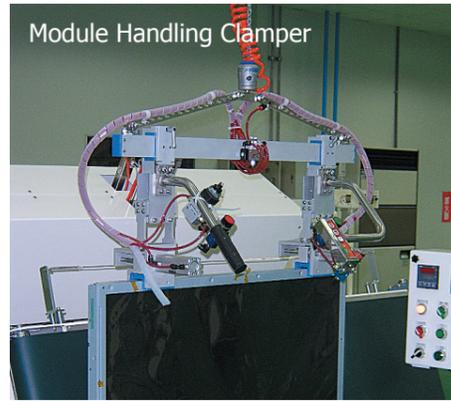
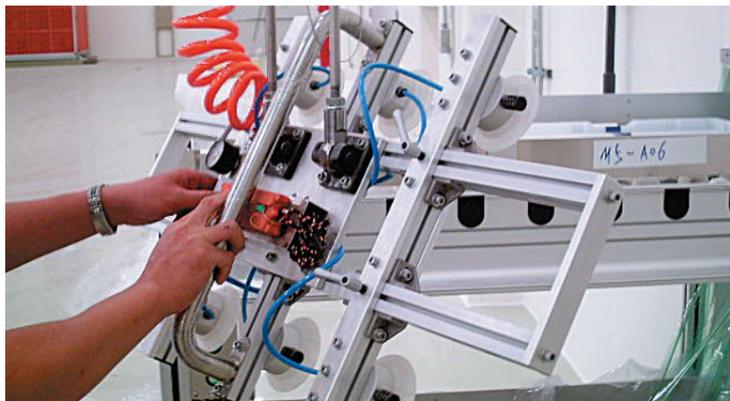


▲ Stacker Crane - 4



▲ Stacker Crane for Narrow Alley

## VI · PP BOX Handling



Clean Room Crane



Vacuum Lifter



Crane System for Apartment



Infrared Painting Factory

## VII · Handling Tools



▲ Electronical Clamping and Turning for Casks



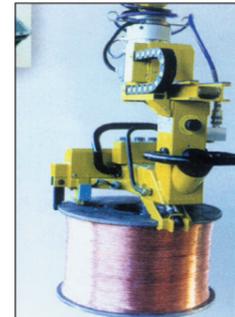
▲ Electronical Clamping and Turning for Crates



▲ Air Balance Hoist



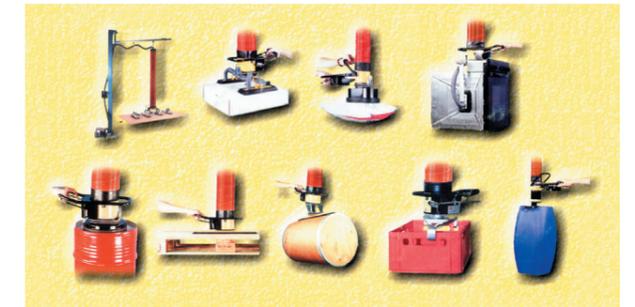
▲ Air Hoist



▲ Handling for Wire Coil



▲ Vacuum Handling and Turning for Plate



▲ Vacuum Handling



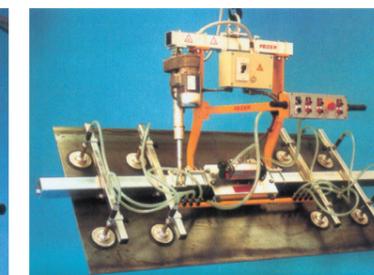
▲ Vacuum Handling for Plate



▲ Magnetic Handling



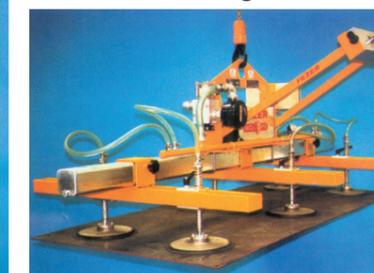
▲ Vacuum Handling and Turning



▲ Vacuum Handling and Turning



▲ Vacuum Handling for Plate



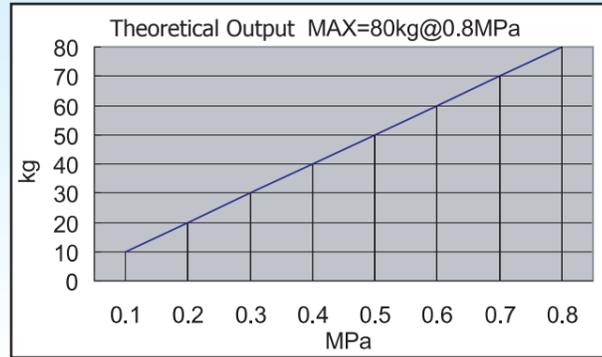
▲ Vacuum Handling for Plate



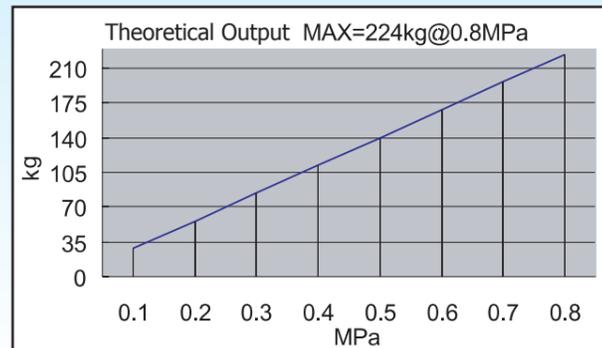
▲ Vacuum Handling and Turning

## VIII · Air Balance Hanger

- KY-KC40-B-000  
KY-KC40-B-000  
**Air Supply Pressure : 0.5MPa(5.1kgf/cm<sup>2</sup>)**  
**Load Capacity : 50kg**



- KY-KC63-B-000  
KY-KC63-B-000  
**Air Supply Pressure : 0.5MPa(5.1kgf/cm<sup>2</sup>)**  
**Load Capacity : 140kg**



### ■ Product Feature

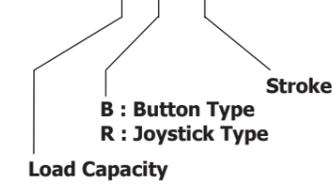
The air balance hanger provides a labor-saving and efficient way to move heavy industrial objects. With all pneumatic components, the hanger ensures smooth and safe operation.

### ■ Product Application

The air balance hanger is applicable in various environments including general production lines, clean rooms, and workplaces that prohibit smoking, open flame, and electromagnetic interference.

### ▲ Product Specification

KY-KC40-R-000



## IX · Air Balance Manipulator



▲ Mobile Manipulator



▲ Pneumatic Handling Equipment



▲ Manipulator for Motorbike Front Wheel Fork Production



▲ Balance Hanger for Engine Assembly



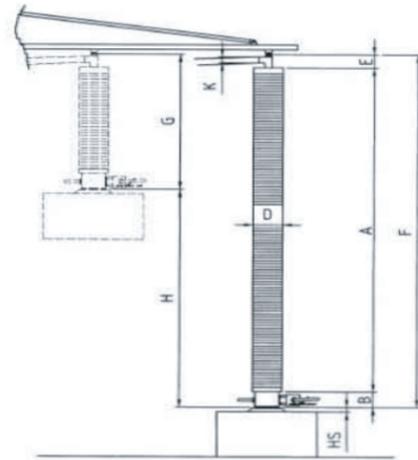
▲ Balance Hanger for Engine Assembly

# X · Vacuum Tube Lifter VPL

## Fezer VacuPowerLift VPL

The application areas of the VacuPowerlift are almost limitless. It is being used in many industries and trade companies to simplify production processes and to increase the profitability.

- Packing and logistics for cardboard boxes
- Chemical and pharmaceutical industry for drums and containers
- Window and solar industry for window panes and prefab parts
- Construction industry for stones and concrete parts
- Loading of CNC machines of all sorts
- Handling of machines and machine parts
- Electronical industry for electrical appliances
- and many more



	VPL 100	VPL 120	VPL 140	VPL 160	VPL 180	VPL 200	VPL 230	
Carrying capacity on								
Dense material	30 kg	40 kg	50 kg	65 kg	85 kg	110 kg	140 kg	
Porous material	25 kg	35 kg	45 kg	60 kg	80 kg	100 kg	120 kg	
Blower/Bump for								
Dense material	T 4.40	SKE 2,2	SKE 2,2	SKE 2,2	SKE 3,0	SKE 3,0	SKE 3,0	
Porous material	SKE 2,2	SKE 3,0	SKE 3,0	SKE 3,0	SKE 4,0	SKE 4,0	SKE 4,0	
Technical Data								
Stroke speed	50 m/min	50 m/min	50 m/min	50 m/min	50 m/min	50 m/min	50 m/min	
Lifting tubeØ	D	100 mm	120 mm	140 mm	160 mm	180 mm	200 mm	230 mm
Total height	F	2750 mm	2750 mm					
Compressed height	G	750 mm	750 mm	750 mm	770 mm	770 mm	800 mm	800 mm
Stroke length of tube	H	1750 mm	1750 mm	1750 mm	1730 mm	1730 mm	1700 mm	1700 mm
Total length of tube	A	2500 mm	2500 mm					
Height of suspension	E	100 mm	100 mm					
Height of suction head	B	150 mm	150 mm	150 mm	180 mm	180 mm	180 mm	180 mm
Connection	K	52 mm	52 mm					
Height of suction foot	depending on suction foot used (min. 35mm up to 160mm)							
Noise level	<75 dB(A)	<75 dB(A)	<75 dB(A)	<75 dB(A)	<75 dB(A)	<75 dB(A)	<75 dB(A)	



▲ Handling of raw, large-sized chipboards



▲ Handling of tube type material



▲ Handling of carton



▲ Handling of glass panel



◀ Long plate handling



Single suction foot in round design



Single suction foot in hexagonal design



Single suction foot in bellows design



Single suction foot for sacks



Double suction foot with adjustable pads on main beam



Fourfold suction foot with adjustable pads on main and cross beams

# XI · Vacuum Tube Lifter VQL

## Fezer VacuQuickLift VQL

The VacuQuicklift is available in two basic designs. On the one hand for strictly horizontal lifting, on the other hand with manual swivelling which allows to manually tip over workpieces. In both cases the VacuQuicklift is controlled with only one control lever which makes the handling very easy and ergonomical. With the free hand the loads can be maneuvered to the required place. The VacuQuicklift not only relieves the daily work, but also increases the ergonomomy and the profitability in many areas.

- Commissioning, placing cardboard boxes in and out of storage
- Handling canisters, containers and small drums
- Handling baggage in airports
- Handling sacks and packages
- Handling plastic moulded parts

Carrying Capacity		VPL 80	VPL 80-90	VPL 100	VPL 100-90
on dense/porous material	(Kg)	25/20	25/20	35/30	35/30
<b>Pump/blower</b>					
on dense/porous material		T 4.25	T 4.25	T 4.25/T4.40	T 4.25/T4.40
<b>Technical data</b>					
Handling		horizontal	horizontal/swiveling	horizontal	horizontal/swiveling
Tube diameter	(mm)	80	80	100	100
Lifting speed	(mm/min)	30...50	30...50	30...50	30...50
Tube length	(mm)	2500	2500	2500	2500
Total height	(mm)	2750	2750	2750	2750
Max. stroke of lifting tube	(mm)	1750	1750	1750	1730
Noise level	dB(A)	<65	<65	<65	<65



▲ Commissioning of boxes with VQL



▲ Handling of wood plate



▲ Handling of canisters with mechanical gripper



▲ VQL with double suction foot for boxes



▲ Handling of plate material



▲ Commissioning of beverage boxes



▲ Handling of boxes



▲ Handling of plate material



Canister gripper with balancer valve



Single suction foot for sacks



Fourfold suction foot with adjustable suction pads



Double suction foot with adjustable suction pads on



Single suction foot in bellows design



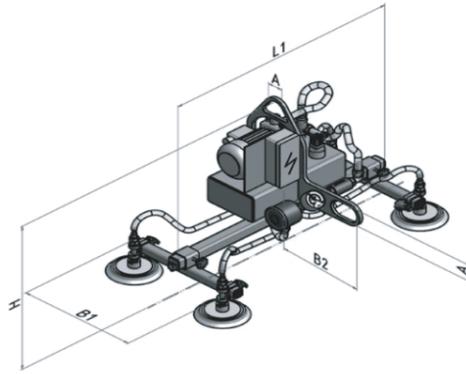
Special suction foot for tubes

## XII · Vacuum Tube Lifter VQL

### Fezer VacuBoyMini VBM (up to 500 Kg)

The compact design and low own weight make the VacuBoyMini the ideal partner for handling stable loads. Available are single suction pads or attachments with several pads which covers a large application spectrum. Additionally the lifter can be equipped with a quick-change coupling which allows a fast exchange of pads and attachments.

- Feeding of CNC machines
- Handling of drums and crates
- Handling of glass and window elements

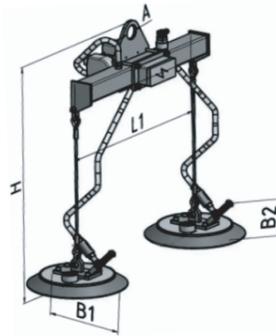


Capacity Kg	Type	Workpiece dimensions		Pump	Number of suction pads	L1	B1	B2	H	A	Own weight (Kg)
		max (mm)	min (mm)			(mm)	(mm)	(mm)	(mm)		
125	VBM-1	2500 x 1250	400 x 400	T 4.8	1	250	250	270	450	60	20
125	VBM-2/4	2500 x 1250	1000 x 400	T 4.8	2~4	1200	400	270	550	60	25~30
250	VBM-1	2500 x 1250	400 x 400	T 4.8	1	250	250	270	450	60	22
250	VBM-2/4	2500 x 1250	1000 x 400	T 4.8	2~4	1200	400	270	550	60	27~32
500	VBM-1	2500 x 1250	400 x 400	T 4.8	1	250	250	270	450	60	30
500	VBM-2/4	2500 x 1250	1000 x 400	T 4.16	2~4	1200	400	270	550	60	30~35

### Fezer VacuBoyVario VBV (up to 500 Kg)

The VacuBoyVario is a universally suitable lifter. Loads can both be lifted horizontally and vertically, or else lying loads can be uprighted. The suction pads, which can be individually switched on and off, only need to be placed correspondingly. The rope suspension of the suction pads and the resulting narrow design make the VacuBoyVario a very variably suitable device.

- Horizontal and vertical handling
- Handling and installation of glass and window elements
- Handling of large-size sandwich elements
- On construction sites with 2-circuit-system



Capacity Kg	Type	Workpiece dimensions		Pump	Number of suction pads	L1	B1	B2	H	A	Own weight (Kg)
		max (mm)	min (mm)			(mm)	(mm)	(mm)	(mm)		
125/75	VB 100-2	2500 x 1250	400 x 800	T 4.8	2	800	125	150	800	60	40~45
250/125	VB 100-2	3000 x 2000	600 x 1200	T 4.8	2	800	220	150	800	60	50~55
500/250	VB 100-2	3000 x 2000	600 x 1200	T 4.8	2	800	290	150	800	60	60~70



VBM barrel handling



VBM workpiece handling



VBM plate handling



VBM glass panel handling

## XII · Hoist



▲ Taiwan Hoist  
Single phase  
110V/220V  
240kg, double speed



◀ Japan Hoist  
Single phase  
110V/220V  
240kg, double speed



▶ Globe Star Air Balance Hoist

▶ Geman  
3 phase 220V / 380V  
250kg ~ 2000kg  
Compact hoist  
(suitable for clean room)



▲ Korean Air Balance Hoist  
(Suitable for exposition proof area, car factory,  
painting factory and electronic factory)

### Basic Configurations

