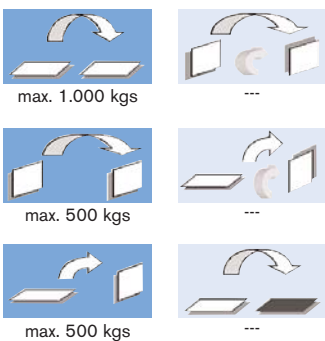


Handling:



Description:

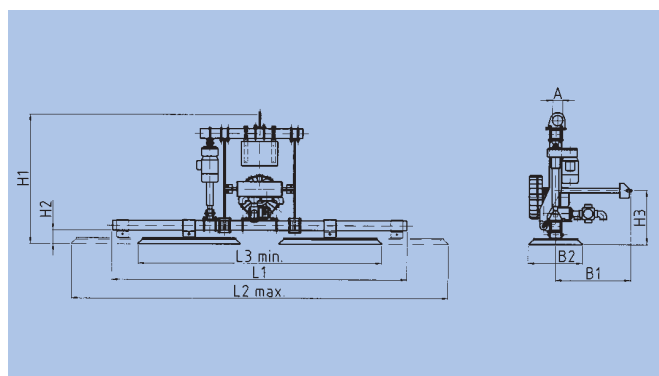
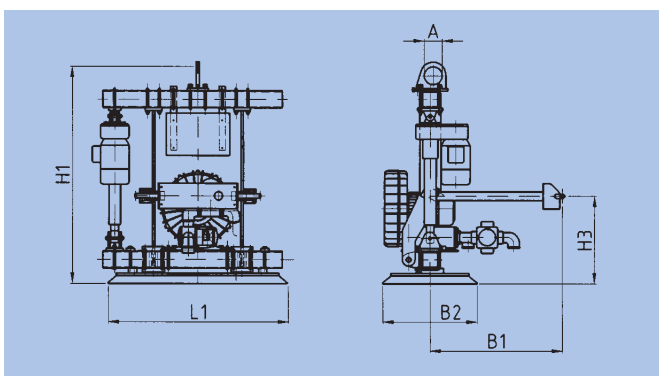
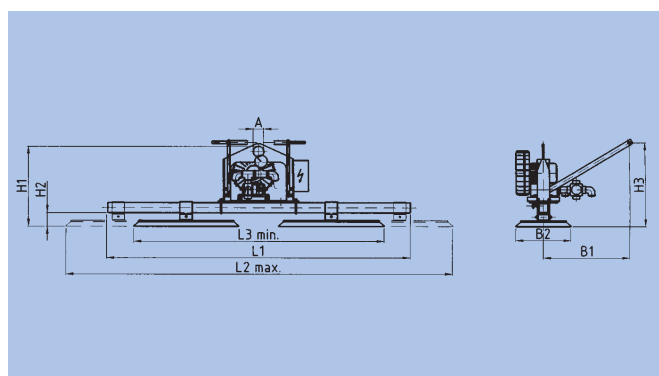
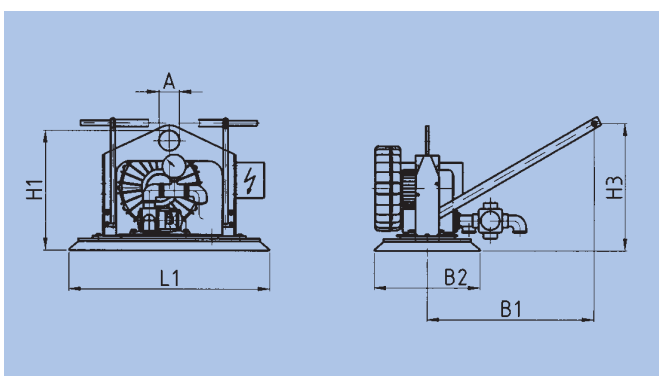
- ✓ Handling without damages
- ✓ Only one operator
- ✓ High safety level
- ✓ Ergonomic two-grip handle with push-buttons for electric vacuum control
- ✓ Vacuum blower with integrated deceleration flywheel
- ✓ Stepless swivel drive with electric cylinders with end stops
- ✓ Acoustic warning system
- ✓ High safety standard according to CE, UVV, VGB 9a

Options:

- ✓ Optical warning system
- ✓ Higher pump efficiency
- ✓ Holder for pendants
- ✓ Automatic suction-release control (only for horizontal types)
- ✓ Tiltable manipulating handles in telescopic design
- ✓ Various designs of manipulating handles
- ✓ Additional suspension eyes
- ✓ Suction plates can be rotated by 90°
- ✓ Special solutions on request

Applications:

- ✓ For the transport of porous materials, especially chipboards, MDF, HDF, OSB plates and any other dense material
- ✓ For the feeding of CNC stations and band saws
- ✓ Complete solutions with cranes
- ✓ And many more

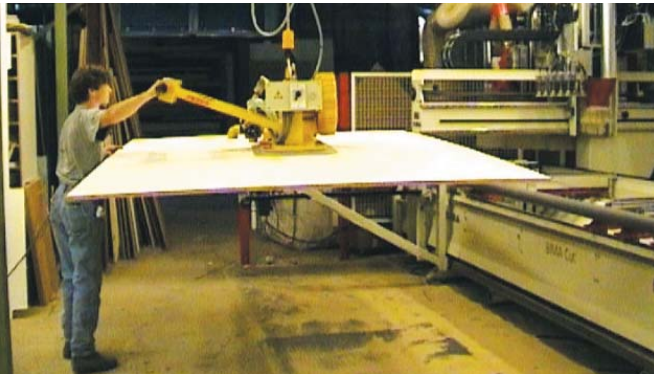


Carrying capacity (kgs)	Type	Type of suction plate	Vacuum generator	Vacuum control	Own weight (kgs)	L1 (mm)	L2 (mm)	L3 (mm)	B1 (mm)	B2 (mm)	H1 (mm)	H2 (mm)	H3 (mm)	A (mm)
150	VP 150M/1S	1xKPHL 450x850	170 m³/h	electric	ca. 110	850	---	---	750	450	650	---	670	80
300	VP 300M/2P	2xKPHL 450x850	170 m³/h	electric	ca. 160	2.400	3.150	1.000	750	450	650	100	670	80
450	VP 450M/3P	3xKPHL 450x850	270 m³/h	electric	ca. 220	3.000	3.750	1.000	750	450	650	100	670	80
600	VP 600M/4P	4xKPHL 450x850	270 m³/h	electric	ca. 280	3.600	4.350	1.000	750	450	650	100	670	80
150/75	VP 150M/1S-90E	1xKPHL 450x850	170 m³/h	electric	ca. 140	850	---	---	750	450	1.050	---	420	80
300/150	VP 300M/2P-90E	2xKPHL 450x850	170 m³/h	electric	ca. 220	2.400	3.150	1.500	750	450	1.050	100	420	80
450/225	VP 450M/3P-90E	3xKPHL 450x850	270 m³/h	electric	ca. 320	3.000	3.750	1.500	750	450	1.050	100	420	80
600/300	VP 600M/4P-90E	4xKPHL 450x850	270 m³/h	electric	ca. 380	3.600	4.350	1.500	750	450	1.050	100	420	80

Carrying capacity: at 10% operational vacuum and dry, clean surfaces. The carrying capacity on vertical transport depends on the friction rate of the workpiece surface. The numbers (vertical/horizontal) indicated in connection with type -90E are based on friction rates of 0,5.

Device designs: M= vacuum control by solenoid valve S= rigidly suspended suction plate P= swinging suspension of suction plate with a possible 90° rotation 90E= stepless swivel mechanism

**VACUPORO
IN OPERATION**



VacuPoro 250M/1S



VacuPoro 250M/1S-90E



VacuPoro 250M/1S



VacuPoro 500M/2P-90E



VacuPoro 1500M/12P-90E



VacuPoro 250M/1S

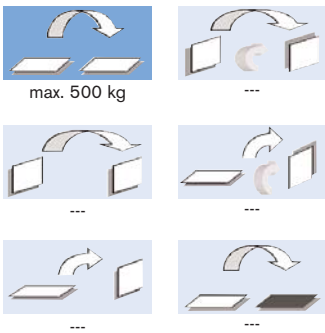


VacuPoro 250M/1S-90E



VacuPoro 500M/2P

Handling:



Description:

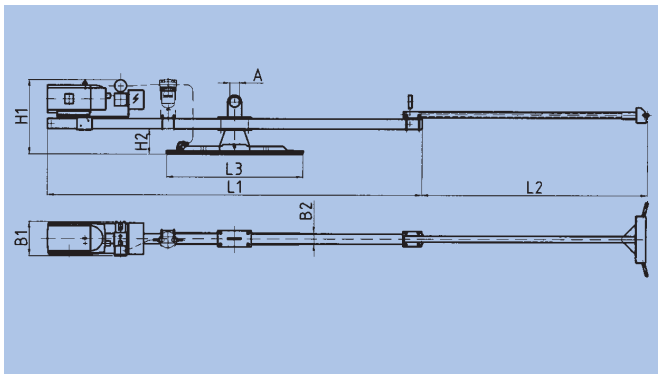
- ✓ Handling without damages
- ✓ Only one operator
- ✓ Ergonomic two-grip handle with push-buttons for swivel function
- ✓ Integrated safety tank
- ✓ Handslide / solenoid valve
- ✓ Suction plates can be turned off individually
- ✓ Oilless vacuum pump
- ✓ Adjustable suction plates
- ✓ Self-locking suction plates
- ✓ Acoustic warning system
- ✓ Signal colour yellow (RAL 1004)
- ✓ High safety standard according to CE, UVV, VGB 9a

Options:

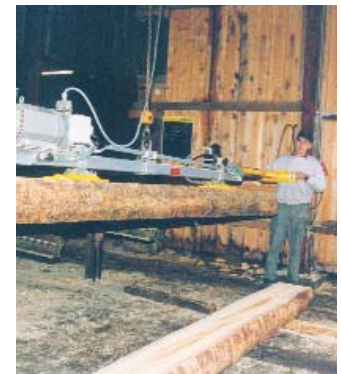
- ✓ Optical warning system
- ✓ Higher pump efficiency
- ✓ Electric vacuum control
- ✓ Holder for pendants
- ✓ Variable manipulating handle length
- ✓ Integrated crane controls
- ✓ Water separator for moist or wet workpieces
- ✓ Additional suspension eyes
- ✓ Complete solutions with cranes
- ✓ Special solutions on request

Applications:

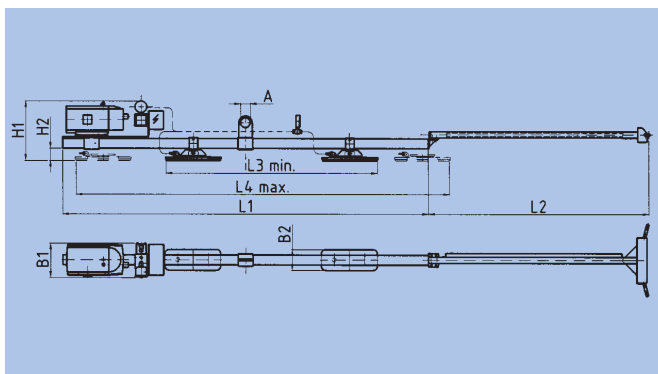
- ✓ To engage planks behind a band saw
- ✓ Commissioning
- ✓ Wooden pieces with knotholes or cracks
- ✓ Extremely long wooden pieces that bend easily
- ✓ And many more



VacuWood VWB 500/4 F



VacuWood VWB 500/2 P



VacuWood VWB 250/1S

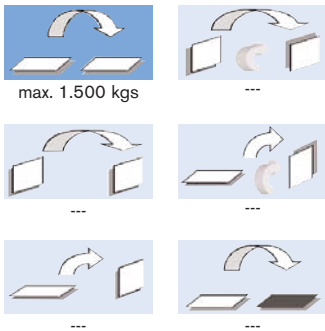


VacuWood VWB 250/1S

Carrying capacity (kgs)	Type	Type of suction plate	Vacuum generator	Vacuum control	Own weight (kgs)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	B1 (mm)	B2 (mm)	H1 (mm)	H2 (mm)	A (mm)
150	VWB 150/1S	1 x PHM 90x1100	25 m³/h	manual	ca. 130	3000	1800	1100	---	260	90	530	150	80
175	VWB 175/1S	1 x PHM 90x1570	25 m³/h	manual	ca. 130	3000	1800	1600	---	260	90	530	150	80
	VWB 175/2S	2 x PHZ 105x450	25 m³/h	manual	ca. 130	3000	1800	1200	2500	260	105	500	100	80
200	VWB 200/1S	1 x PHZ 110x1500	25 m³/h	manual	ca. 130	3000	1800	1500	---	260	110	530	150	80
350	VWB 350/2P	2 x KPHM 170x460	25 m³/h	manual	ca. 130	3000	1800	1200	2500	260	170	500	100	80
	VWB 350/4F	4 x KPHM 105x450	25 m³/h	manual	ca. 135	3000	1800	1200	2500	260	230	510	80	80

Carrying capacity: at 60% operational vacuum and dry, clean surfaces.
 Design: S = rigid suspension
 P = swinging suspension
 F = double chamber with integrated flow valves

Handling:



Description:

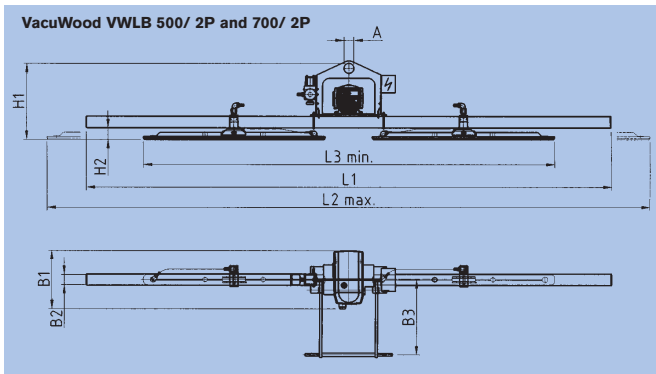
- ✓ Handling without damages
- ✓ Only one operator
- ✓ Ergonomic two-grip handle
- ✓ Integrated safety tank
- ✓ Electric vacuum control
- ✓ Optimal adjustment of materials that bend easily by swinging suspension
- ✓ Oilless vacuum pumps
- ✓ One and two point suspensions
- ✓ Adjustable suction plates
- ✓ Acoustic warning system
- ✓ Signal colour yellow (RAL 1004)
- ✓ High safety standard according to CE, UVV, VGB 9a

Options:

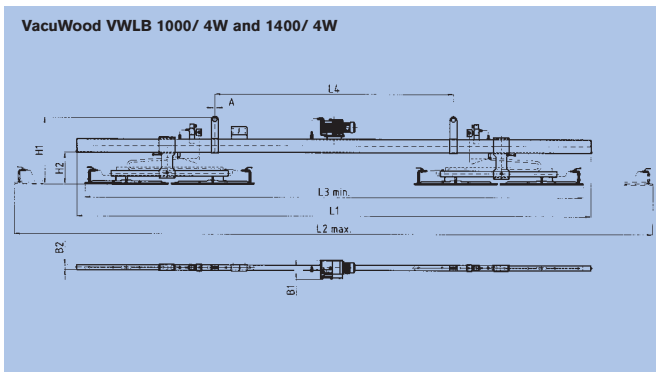
- ✓ Optical warning system
- ✓ Higher pump efficiency
- ✓ Holder for pendants
- ✓ Integrated crane controls
- ✓ Motor-driven adjustable suction plates
- ✓ Water separator for moist or wet workpieces
- ✓ Suspension with safety feature to avoid tilting
- ✓ Automatic suction-release control
- ✓ Self-locking suction plates with flow valves
- ✓ Safety feature to avoid unintended swinging
- ✓ Special solutions on request

Applications:

- ✓ Storing
- ✓ Commissioning
- ✓ Feeding of band saws
- ✓ Gluelam beams with lengths of up to 24 metres and a minimum width of 100mm
- ✓ Gluelam beams wrapped in packing foil
- ✓ And many more



VWLB for gluelam beams wrapped in packing foil with a length of 20 metres and separate vacuum energy unit.



VWLB with motor-driven adjustable suction plates



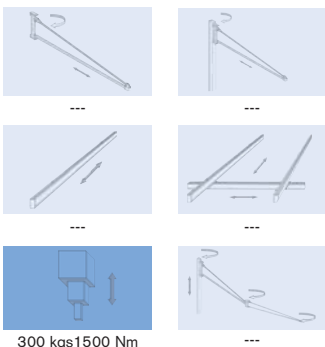
VWLB with safety feature to prevent device from tipping over

Carrying capacity (kgs)	Type	Suction plate types	Vacuum generator	Vacuum control	Own weight (kgs)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	B1 (mm)	B2 (mm)	B3 (mm)	H1 (mm)	H2 (mm)	A (mm)
300	VWLB 300/2P	2 x PHM 90x1100	25 m³/h	electric	ca. 200	4000	5000	2500	---	510	100	550	750	200	80
350	VWLB 350/2P	2 x PHM 90x1570	25 m³/h	electric	ca. 250	6000	7500	3200	---	510	100	550	750	200	80
600	VWLB 600/4W	4 x PHM 90x1100	40 m³/h	electric	ca. 800	8000	9000	7200	4000	260	110	---	1100	550	80
700	VWLB 700/4W	4 x PHM 90x1570	40 m³/h	electric	ca. 900	10000	11500	8200	4000	260	110	---	1100	550	80

Carrying capacity: at 60% operational vacuum and dry, clean surfaces

Design: P = swinging suspension
 W = suspension with double swing

Handling:



300 kgs 1500 Nm

Applications:

Suitable to rigidly handle workpieces of all kinds. In connection with the rail system "StarTrack" work areas of several metres' length can be covered. The big and sturdy wheels guarantee an easy and smooth handling. Suitable for

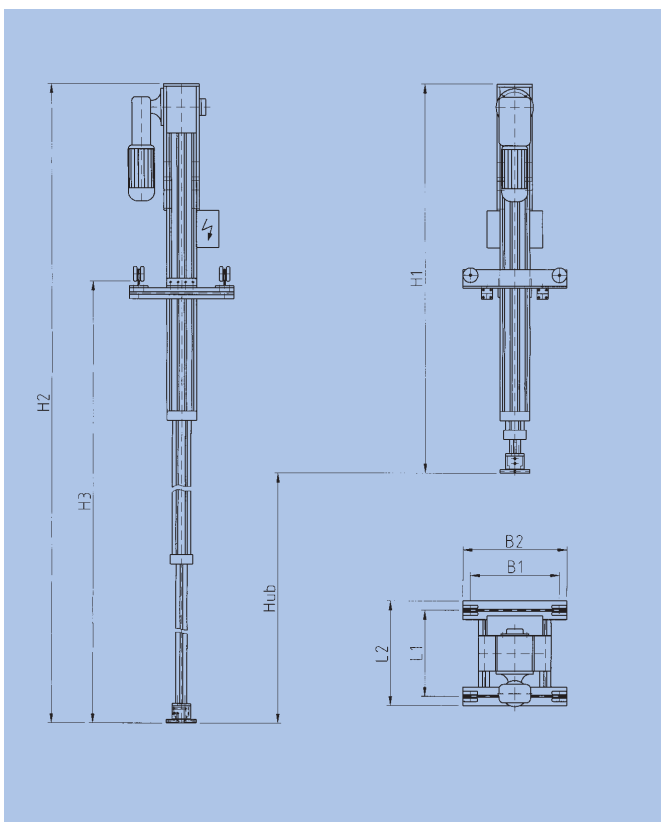
- Food industry
- Automotive industry
- Packing industry
- Supplier industry
- And many more!

Description:

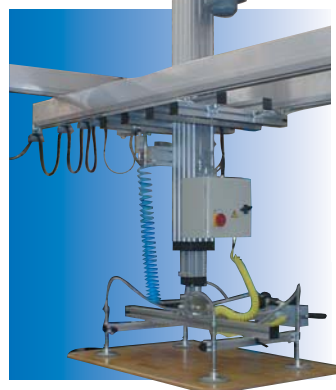
- ✓ Lifting system in telescopic design for exact and precise handling
- ✓ Adequately dimensioned guide wheels for smooth operation with one operator only
- ✓ Strong, precise bearings in wear-proof plastic
- ✓ Adjustable speeds by frequency converter
- ✓ Light aluminium construction with long life expectancy
- ✓ Lifting motor with gear, brake and high-quality nylon belt

Description:

- ✓ Turning feature with integrated pressurized air and vacuum line
- ✓ Individual stroke adjustment
- ✓ Smooth and very quiet aluminium rail system for suspension track systems
- ✓ Various tooling units with vacuum pressurized air or mechanical clamp features
- ✓ High safety standard according to CE, UVV, VBG 9a



LiftFix with vacuum suction frame and frequency converter



LiftFix with suspension track system StarTrack with electric drive

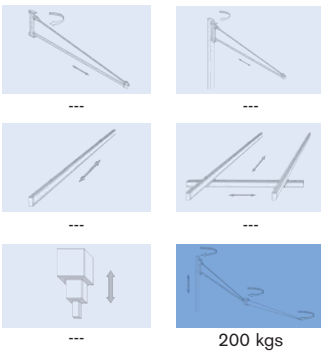


Capacity (kgs)	Type	Stroke (mm)	Speed (m/min)	Torque (N/m)	Power (kW)	Voltage (V)	H1	H2	H3		B1	B2	L1	L2
									min:	max:				
350	LF 2-1.000	1.000	12	2.000	1	230/400	1.700	2.550	1.500	1.800	560	800	620	720
350	LF 2-1.500	1.500	12	1.750	1	230/400	2.300	3.650	2.000	2.900	560	800	620	720
350	LF 2-2.000	2.000	12	1.500	1	230/400	2.900	4.750	2.500	4.000	560	800	620	720
250	LF 3-1.500	1.500	12	1.250	0,75	230/400	1.550	2.800	2.000	2.050	560	800	620	720
250	LF 3-2.000	2.000	12	1.000	0,75	230/400	1.800	3.550	2.500	2.800	560	800	620	720
250	LF 3-2.500	2.500	12	750	0,75	230/400	2.050	4.300	3.000	3.550	560	800	620	720

Flange dims for LF 2: 4 x M 8, 85x85
Flange dims for LF 3: 4 x M 12, 40x40

"VACUMAT" - RIGIDLY GUIDED LIFTING SYSTEM

Handling:



Applications:

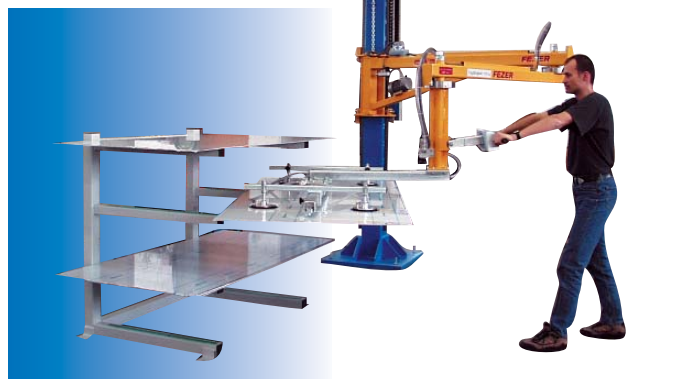
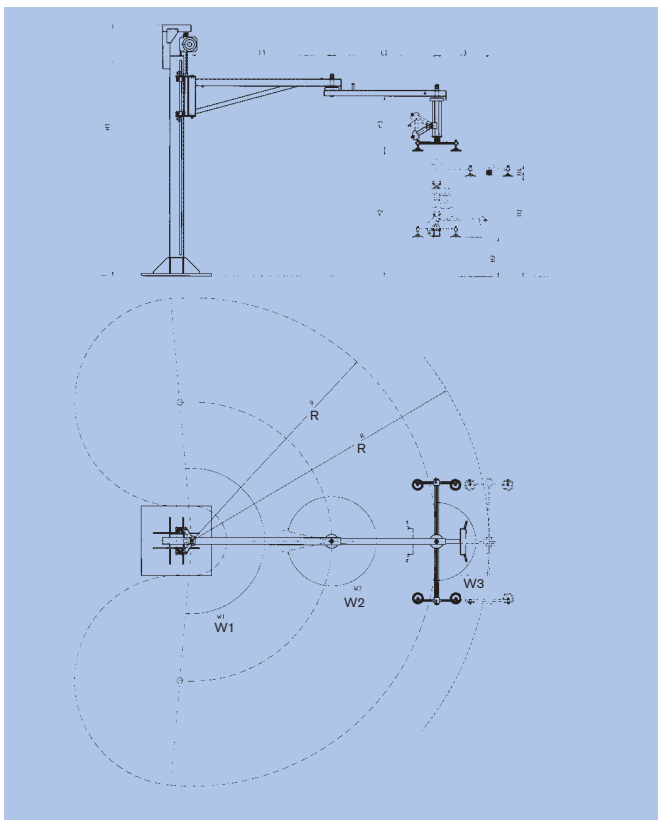
The new *VacuMat* allows not only to engage loads easily but also to guide and unload them precisely. No matter if you have to take them from a cantilever shelf, from a stack or vertically the *VacuMat* always cuts a fine figure. Up to loads of 200 kgs.

Description:

- ✓ Rigidly guided lifting system with knuckle feature and chain hoist including coupling with stoppers
- ✓ Sturdy bearings
- ✓ Lifting system with adequately dimensioned, adjustable wheels
- ✓ Sturdy and stable fixed stops
- ✓ Two speeds controlled by push-buttons
- ✓ Three different designs - horizontal, protruding and swivel feature

Description:

- ✓ All operations are controlled by push-buttons ergonomically placed on the manipulating handle
- ✓ Various stroke lengths
- ✓ Various arm lengths
- ✓ Vacuum tooling systems in various designs depending on the customer's requirements
- ✓ High safety standard according to UVV, VBG 9a
- ✓ Special solutions on request



VacuMat with knuckle feature and protruding arm for engagement of plates from a cantilever shelf



VacuMat with swivel feature up to 200 kgs



VacuMat for the feeding of a laser cutting machine

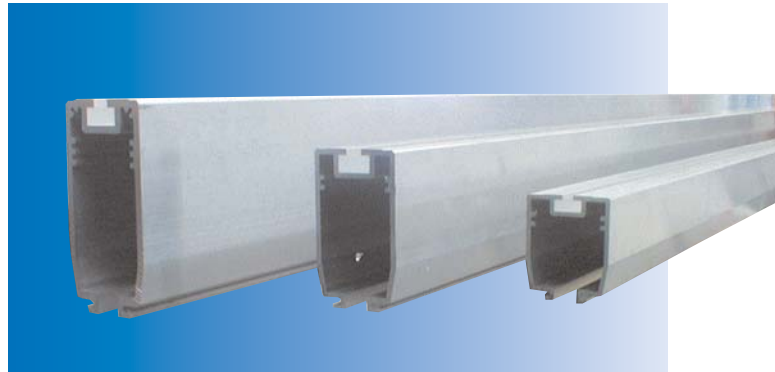
Carrying capacity (kgs)	Type	Design	Stroke speed (m/min)	Swivel time (s)	Stroke (mm)	Base plate (mm)	Work piece dimensions		
							min (mm)	(mm)	max
200	VM 200-H	horizontal	2,5 / 10	---	1.790	800 x 800	500x500	3.000 x 1.500	
125	VM 125-A	protruding (750 mm)	2,5 / 10	---	1.815	800 x 800	500 x 500	3.000 x 1.500	
200	VM 200-E	possibility to swivel (90°)	2,5 / 10	7	1.595	800 x 800	1.000 x 500	3.000 x 1.500	

Dimensions:	L1 (mm)	L2 (mm)	L3 (mm)	H1 (mm)	Hub H2 (mm)	H3 (mm)	H4 (mm)	W1	W2	W3	R (mm)
VM 200-H	2.000	1.500	---	3.580	1.790	780	175	190°	340°	340°	3.500
VM 125-A	2.000	1.500	750	3.580	1.815	755	150	190°	340°	340°	4.250
VM 200-90E	2.000	1.500	---	3.580	1.595	975	370	190°	340°	340°	3.500

Carrying capacity: at 60% operational vacuum and dry, clean surfaces

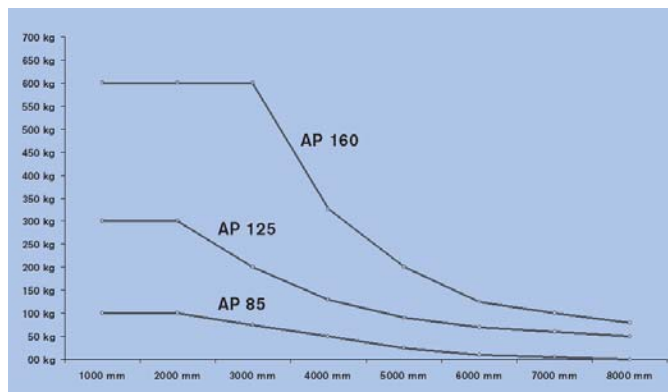
For decades **FEZER** has been among the leading companies in the field of material handling. Not only in the **vacuum transport technology** but also in crane and suspension rail systems **FEZER** is a competent and reliable partner.

The new aluminium rail system **StarTrack** completes the production range. Now you can obtain all systems from the same source, systems that are tuned to each other. This offers many advantages which you can always rely on.



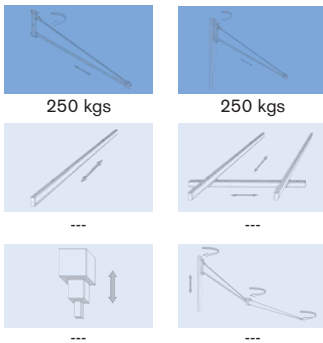
Smooth aluminium profiles with the dimensions AP 85, AP 125 and AP 160.

- Low own weight and thus a very smooth operation of the aluminium rail system
- Sturdy and high quality which has proved itself numerous times
- high life expectancy due to wear-resistance of the aluminium rail system (only paint peels off or corrosion)
- Easy handling by a single operator
- Easy and fast adjustment to various room heights
- High safety factor due to mounting elements made to fit together
- Ergonomic and easy motion through all axes.
- Low operation costs due to wear-resistant trolleys and drives
- Complete maintenance and inspection service by competent FEZER engineers
- Complete solutions with chain hoists and vacuum lifting devices



Load diagram of the individual aluminium profiles in dependence of the supported length

Handling:

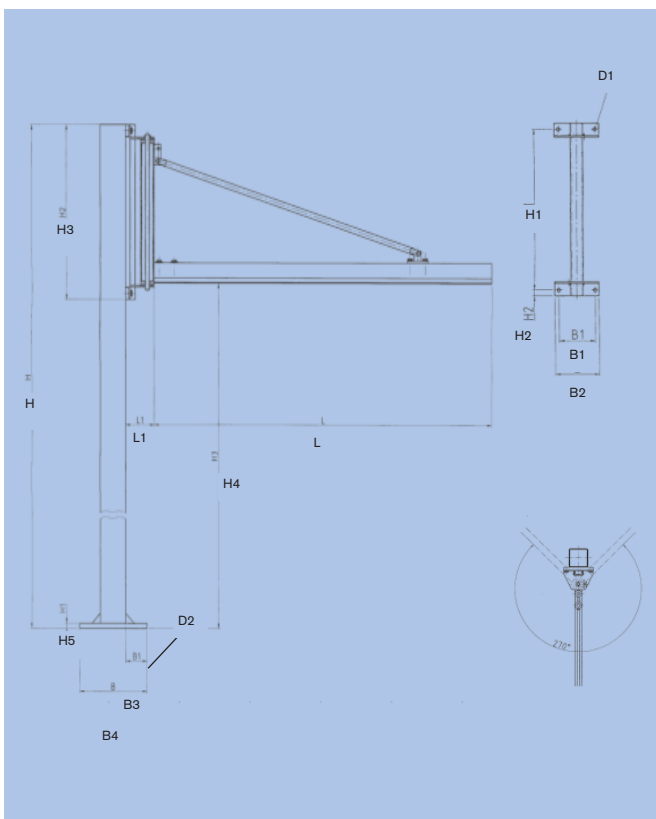


Description:

- ✓ Sturdy and smooth turning console with turning angle of 270°
- ✓ Limit stops with rubber bumper
- ✓ Trolley with big and smooth plastic castor wheels
- ✓ Steel parts galvanized or powder sprayed
- ✓ High safety standard according to CE, UVV
- ✓ Slewing jibs for higher loads on request

Application:

- ✓ Loads up to 500 kgs
- ✓ With chain hoists
- ✓ With line balancer
- ✓ With tube lifter “VacuPowerlift”



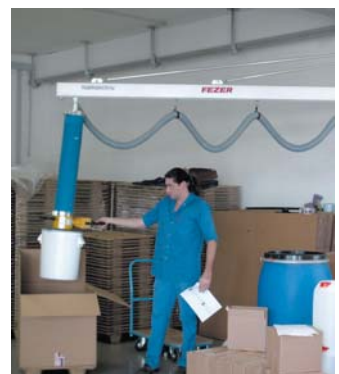
Column Slewing Jib SSK 125-5.000



Column Slewing Jib SSK 125-4.000



Wall Slewing Jib with chain hoist up to 250 kg

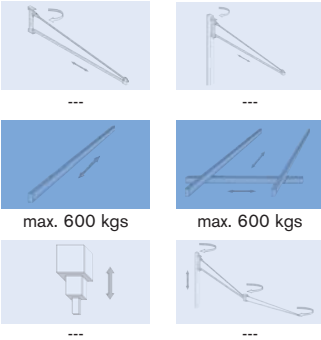


Wall Slewing Jib WSK 125-4.000

Capacity (kgs)	Type	Protrusion (mm)	Swivel area	B1 (mm)	B2 (mm)	B3 (mm)	B4 (mm)	D1 (mm)	D2 (mm)	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	H5 (mm)	L (mm)	L1 (mm)
125	85-2.000	2.000	270°	110	150	130	400	18	20	3.650	508	40	590	3.120	20	2.000	150
80	85-3.000	3.000	270°	110	150	130	400	18	20	3.650	508	40	590	3.120	20	3.000	150
60	85-4.000	4.000	270°	110	150	130	400	18	20	3.650	508	40	590	3.120	20	4.000	150
200	125-2.000	2.000	270°	110	150	175	500	18	20	3.715	600	40	680	3.100	20	2.000	150
125	125-3.000	3.000	270°	110	150	175	500	18	20	3.715	600	40	680	3.100	20	3.000	150
80	125-4.000	4.000	270°	110	150	175	500	18	20	3.715	600	40	680	3.100	20	4.000	150
60	125-5.000	5.000	270°	110	150	175	500	18	20	3.715	600	40	680	3.100	20	5.000	150
250	160-3.000	3.000	270°	110	150	175	500	18	20	3.715	600	40	680	3.100	20	3.000	150
150	160-4.000	4.000	270°	110	150	175	500	18	20	3.715	600	40	680	3.100	20	4.000	150
100	160-5.000	5.000	270°	110	150	175	500	18	20	3.715	600	40	680	3.100	20	5.000	150
80	160-6.000	6.000	270°	110	150	175	500	18	20	3.715	600	40	680	3.100	20	6.000	150

SSK = Column Slewing Jib
WSK = Wall Slewing Jib

Handling:

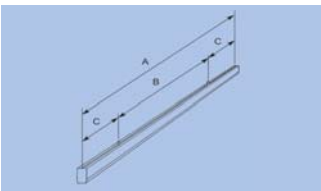


Description:

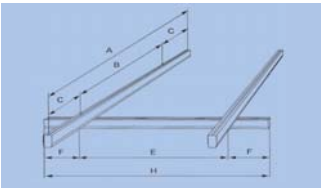
- ✓ Sturdy and smooth suspension track systems made of aluminium profiles
- ✓ As one-track rail or one-track and two-track systems
- ✓ Trolleys with big and smooth plastic castor wheels
- ✓ Bridge trolleys in smooth aluminium design
- ✓ High safety standard according to CE, UVV

Applications:

- ✓ Track lengths up to 30.000 mms
- ✓ Widths up to 8.000 mms
- ✓ For wide working areas
- ✓ Capacity up to 600 kgs
- ✓ With chain hoist or line balancer
- ✓ With tube lifter VacuPowerlift

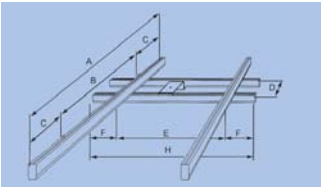


Profile type:	A (max) (mm)	C (max) (mm)	Suspension distance (mm)							
			B= 1.000	2.000	3.000	4.000	5.000	6.000	7.000	8.000
AP 85	8.000	300	125	100	75	40	25	---	---	---
AP 125	8.000	325	300	300	250	140	90	65	40	20
AP 160	8.000	350	600	600	600	430	220	150	110	75



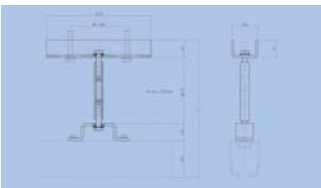
Beam profile:	A (max) (mm)	C (max) (mm)	H (max) (mm)	F (max) (mm)	Suspension distance (mm)							
					E= 1.000	2.000	3.000	4.000	5.000	6.000	7.000	8.000
AP 85	8.000	300	8.000	300	125	100	75	40	25	---	---	---
AP 125	8.000	325	8.000	325	300	300	250	140	90	65	40	20
AP 160	8.000	350	8.000	350	600	600	600	430	220	150	110	75

Carrying capacity and suspension distances identical to one-track rail!



Beam profile:	A (max) (mm)	C (max) (mm)	H (max) (mm)	F (max) (mm)	D (mm)	Suspension distance (mm)							
						E= 1.000	2.000	3.000	4.000	5.000	6.000	7.000	8.000
AP 85	8.000	300	8.000	300	ca. 250	250	200	150	80	50	25	---	---
AP 125	8.000	325	8.000	325	ca. 300	300	300	300	280	180	130	80	40
AP 160	8.000	350	8.000	350	ca. 350	600	600	600	600	450	300	200	150

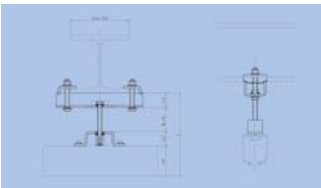
Carrying capacity and suspension distances identical to one-track rail!



Suspension system for ceilings:
directly fastened to ceilings with dowels or screws.



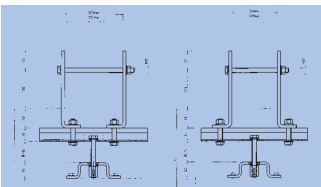
Tube and line trolleys
made of smooth plastic for carrying energy media like power lines, vacuum tubes or pressurized air lines.



Suspension system for t-beams:
fastened directly to t-beams with a flange width of 160 mms max.



Castor wheels:
smooth castor wheels for loads of 125 kgs up to 500 kgs made of compact plastic castors with diameters of up to 80 mms.



Suspension system for beams:
Fastened to beams by high duty screws for beam widths of 20-220 mms.



Track connections
to connect the aluminium tracks "endlessly" for wide work areas.



Suspension track system with portal construction. Work area: 10.000 x 4.000



Suspension track system with ceiling suspension. Work area: 30.000 x 8.000



Suspension track system with portal construction. Work area: 18.000 x 7.000



Suspension track system with ceiling suspension and double bridge. Work area: 8.000 x 5.000

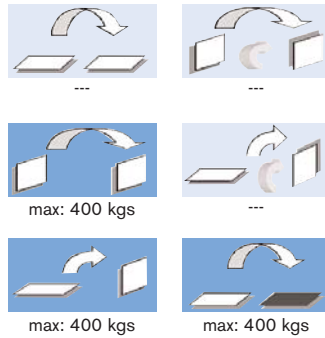


Suspension track system with ceiling suspension and double bridge. Work area: 10.000 x 8.000



Suspension track system with ceiling suspension and rigid lifting unit "LiftFix".
Work area: 2 x 6.000 x 5.000

Handling:



Description:

- ✓ One operator only
- ✓ Damage-free handling of plates by rubber-lined clamping jaws
- ✓ The clamping force is automatically regulated by the weight of the workpiece and the mechanics of the tongs
- ✓ High safety standard according to CE, UVV, VGB 9a

Applications:

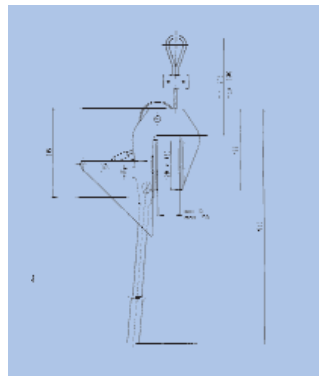
- Engagement, tipping over and transporting of
- ✓ Joiner's plates
- ✓ Chipboards
- ✓ Pressboard sheets
- ✓ Plastic plates
- ✓ Stone plates
- ✓ And many more



PTZ vertical transport



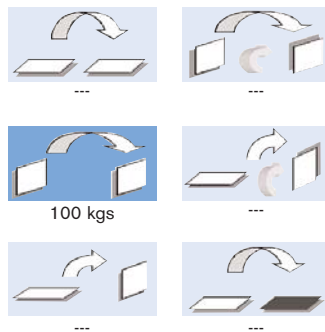
PTZ horizontal engagement



Technical data:

- Carrying capacity: max. 400 kgs
- Plate thickness: 5-50mms
- Own weight: ca. 7 kgs
- Clamping jaws: 120x120mms
- Suspension noose: for max. hook size (DIN 15401) 1000 kgs

Handling:



Description:

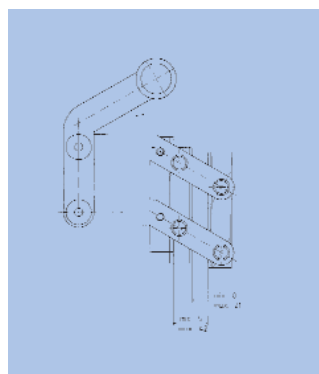
- ✓ Damage-free handling of plates by rubber-lined clamping jaws
- ✓ Comfortable engagement and carrying of all kinds of plates
- ✓ No pre-lifting of plates required
- ✓ Plates can be pulled out of vertical stacks
- ✓ High safety standard according to CE, UVV, VGB 9a

Application:

- Engagement, tipping over and transporting of
- ✓ Joiner's plates
- ✓ Chipboards
- ✓ Pressboard sheets
- ✓ Plastic plates
- ✓ Stone plates
- ✓ And many more



TZ horizontal transport



Technical data:

- Carrying capacity: max. 100 kgs
- Plate thickness: 5-40mms
- Own weight: ca. 1,8 kgs

VACUSTAND - VACUUM WORK STAND

FOR ERGONOMICAL WORKING ON ALL SIDES

Fields of Operation:

The working stand VacuStand is suitable for working all sides of dense workpieces. It

- allows work on wood, plastic, glass, metal or stone plates
- fits work on electric terminal boxes
- acts as an assembly aid for door frames and fitting brackets, etc.
- supports final assembly stations
- supports quality control of surfaces
- and many more

Description:

The devices feature a light but sturdy construction. Universal connections allow the use of various suction plates. The height adaption (on the VS-I with support of gas springs) allows the device to be adjusted to individual positions. For the various applications the devices can be

- **swivelled by 90°**
- **endlessly rotated**
- **electrically turned by 180°**

Safety:

To guarantee a high level of safety all devices are equipped with

- sufficiently adequate vacuum generators
- integrated safety tanks and non-return valves, which guarantee that the load does not instantly drop off in case of a power failure
- vacuum filter to eliminate dust particles
- automatic engagement by integrated flow valves
- easy and safe release by foot interrupter with safety hood

Accessories:

For the devices there is a variety of options.

- Higher pump efficiency for slightly porous materials
- Pneumatic vacuum generators
- Turning and rotation feature
- Various adapters with different suction plates for various applications
- Eco-Module which controls on/off function of vacuum pump



VacuStand I with Eco-Module and turning and rotation feature



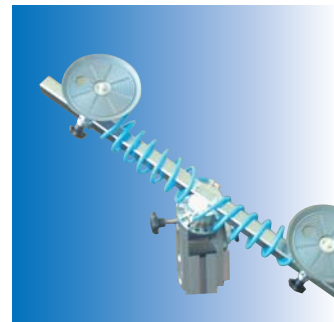
Vacuum generator with non-return valve, Eco-Module and safety tank



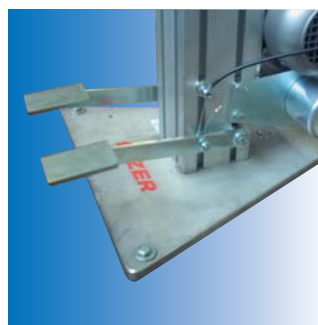
Attachment with single suction plate and integrated flow valve



Turning and rotation feature for foot control



Attachment II with main beam and two adjustable suction plates

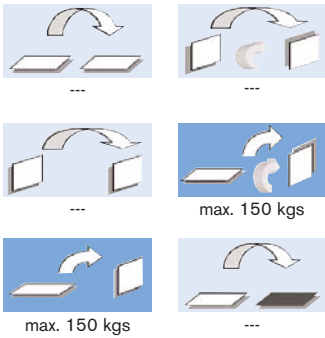


Foot control for turning and rotation feature



Attachment IV with main beam and cross beams for four suction plates

Handling:



Description:

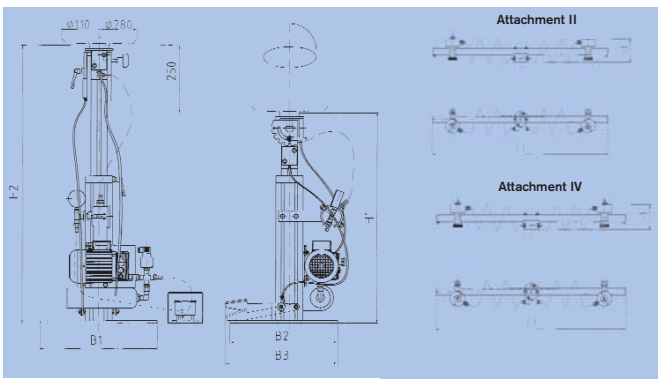
- ✓ Compact and light aluminium design
- ✓ Single-foot design with mounted swivel and rotation head
- ✓ Double-foot design with possibility of swivelling in both directions
- ✓ Height adjustment (770-1025mm) with gas spring support
- ✓ Electric vacuum generation
- ✓ Integrated safety tank with non-return valve
- ✓ Vacuum gauge in visual range
- ✓ High safety standard according to CE, UVV, VBG 9a

Options:

- ✓ Higher pump efficiency
- ✓ Pneumatic vacuum generation
- ✓ Various suction plate adapters
- ✓ Attachment II, with main beam for two suction plates
- ✓ Attachment IV, with main and cross beams for four suction plates
- ✓ Turning and rotation feature with foot control
- ✓ Automatic suction/release control
- ✓ Eco-Module switches the vacuum generator off when it is not needed
- ✓ Bench type design for work benches with separate vacuum generator

Applications:

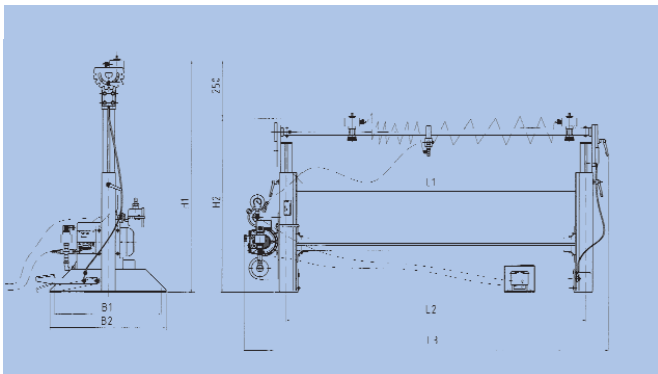
- ✓ Working all sides of workpieces
- ✓ Fitting work on electric terminal boxes
- ✓ Mounting of fittings on workpieces
- ✓ Assembly aid for assembling work pieces
- ✓ Special solutions for working on formed parts
- ✓ And others



VacuStand I-AL-TA as bench type design for work benches



VacuStand I-AL with turning and rotation feature and Eco-Module



VacuStand II-AL with cross beams and four suction plates



VacuStand II-AL with two suction plates which can be turned by 90°

Type	Design	Vacuum generator	Vacuum-control	Suction plate attachments	Movements	Own weight	L1 (mm)	L2 (mm)	L3 (mm)	B1 (mm)	B2 (mm)	B3 (mm)	H1 (mm)	H2 (mm)
VS I-AL-TA	Bench	4 m³/h	FUB	see below	+90° / 360°	3 kgs	---	---	---	---	---	---	---	---
VS I-AL	Single foot	4 m³/h	FUB	see below	+90° / 360°	35 kgs	---	---	---	435	400	415	770	1025
VS II-AL-2	Double foot	4 m³/h	FUB	see below	+/- 90°	40 kgs	1.175	1.265	1.570	460	500	---	1.000	750
VS II-AL-3	Double foot	4 m³/h	FUB	see below	+/- 90°	45 kgs	1.175	1.265	1.570	460	500	---	1.000	750
VS II-AL-4	Double foot	4 m³/h	FUB	see below	+/- 90°	50 kgs	1.175	1.265	1.570	460	500	---	1.000	750

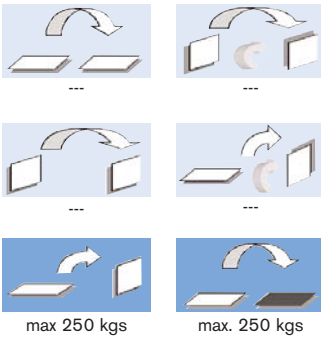
Explanations: FUB = Foot interrupter with safety hood, +90°= turn one way by 90°, +/- 90° = turn both ways by 90°, 360° = endlessly turnable
 The holding force refers to workpieces with dry, oil-free and smooth surfaces at an operational vacuum of 60 %.

Suction plate	FSRL 110	FSRL 160	FSRL 220	FSRL 280	FSL 100x200	FSL 100x300	Attachment II	Attachment IV
Q'ty of suct. plates:	1	1	1	1	1	1	2	4
Length L1:	---	---	---	---	---	---	820 mm	1.200 mm
Width B1:	---	---	---	---	---	---	---	400 mm
Height H1:	15 mm	15 mm	18 mm	18 mm	23 mm	23 mm	110 mm	150 mm
Holding forces:	25 kg/13 kgs	50 kg/25 kgs	100 kg/50 kgs	150 kg/75 kgs	40 kg/20 kgs	55 kg/27 kgs	depending on suction plate	

VACUSTAND VS II - 180E

ELECTRICALLY TURNING UP TO 250 KGS

Handling:



Description:

- ✓ Compact and tough steel construction with electric stepless swivel motor
- ✓ Limit switches
- ✓ Electric vacuum generator with non-return valve, integrated safety tank and vacuum gauge
- ✓ Vacuum control by push-buttons that lock during the swivel operation
- ✓ Adjustable disengagement area for widths of up to 2500 mm
- ✓ High safety standard according to CEE, UVV, VBG 9a

Options:

- ✓ Higher pump efficiency
- ✓ Vacuum-controlled motor switch
- ✓ Various designs with up to four swivel arms
- ✓ Various suction plate diameters and designs
- ✓ Automatic return after disengagement of the load
- ✓ Designs with extensions or special dimensions for workpieces with excessive lengths
- ✓ Special solutions on request

Applications:

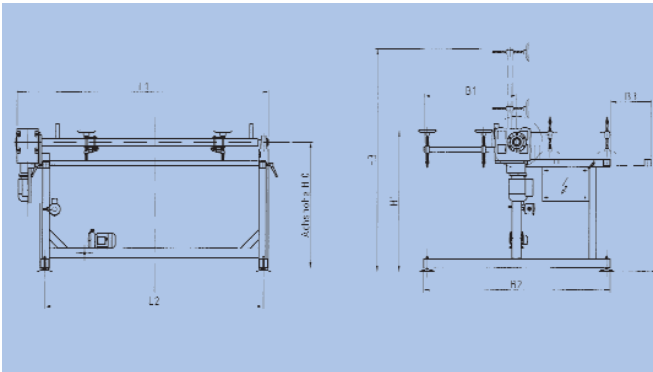
- ✓ For the working on both sides of plates
- ✓ For surface control of both workpiece sides
- ✓ To turn over table tops or wall and door elements in connection with CNC working centers.
- ✓ Ideal co-operation with tube lifter VacuPowerlift



VacuStand VSII-180E set for action



VacuStand VS II-180E during turn-over operation. During the operation a release of the workpiece is not possible due to an integrated safety feature.



VacuStand VS II-180E in unloading position. The support table is adjustable to the width of various workpieces.

Type	Design	Vacuum generator	Vacuum control	Movements	Suction plates	L1 (mm)	L2 (mm)	B1 (mm)	B2 (mm)	B3 (mm)	H1 (mm)	H2 (mm)	H3 (mm)
VS II-150/180E	Double foot	8 m³/h	electric	+/- 180°	4 x FSRL160	2.160	1.880	1.150	1.600	350	1.250	950	2.230
VS II-250/180E	Double foot	8 m³/h	electric	+/- 180°	4 x FSRL220	2.160	1.880	1.150	1.600	350	1.250	950	2.230

Type	Carrying capacity	Workpiece dimensions		Swivel time (s)	Voltage (V)	Power (kW)	Torque (Nm)	Own weight
		min:	max:					
VS II-100/180E	max: 100 kgs	1.000x500 mm	2.500x1.250 mm	9 s /180°	230/400 V	0,75 kW	1.450 Nm	275 kgs
VS II-200/180E	max: 200 kgs	1.000x500 mm	3.000x1.500 mm	9 s /180°	230/400 V	0,75 kW	1.450 Nm	400 kgs

Carrying capacity: at 60% operational vacuum and dry, clean surfaces.