

List of Handling Products 2025

Cimec Oy



CIMEC

The logo for CIMEC features the company name in a bold, blue, sans-serif font. A large, blue, curved line graphic is positioned to the left of the text, starting from the bottom left and sweeping upwards and to the right, partially enclosing the word 'CIMEC'.

Handling Product Portfolio (standard)

Rigid system	Pneumatic cylinder actuated, non rigid					Chain guided suction frame
						
Easylift	Simplelift		Cylinderlift		Battery chainlift	
EN / EK / EDN / EDK	NTe	NT	NV	NVe	ZLD	ASL / ADV / ADK
Whereby: N: incline K: tilting D: rotation	Whereby: T: tilting E: ergo level control arm	Whereby: T: tilting	Whereby: V=incline with bladder cylinder	Whereby: V: incline with bladder cylinder E: ergo level control arm	Whereby: D: rotation N: incline	Whereby: K: tilting D: rotation
150 / 250 / 350 / 500 kg	150 / 250 / 450 kg	150 / 250 / 450 kg	150 / 250 / 450 kg	150 / 250 / 450 kg	250 kg	100 / 220 / 600 kg

Tip: press pictures of handling devices to view technical specification

Handling Product Portfolio (standard)

Slewing crane	Light weight craneway system
	
SSK-1, SSK-2, WSK-1, WSK-2	LWCW
Whereby: SSK: Pillar slewing crane WSK: Wall slewing crane 1: One rail 2: Double rails	
500 kg	350-3000 kg

Tip: press pictures of handling devices to view technical specification

Handling Product Portfolio

Rigid system		Chain guided system	
			
Vacuum	Isolift	Chainlift	Minilift
VLR / VLRS / VLC / VLCS	IZ / IN / IK / IDN / IDK	GSR / GSRA	MSDR / GMP / GML
Whereby: VLR: rigid frame VLC: chain guided frame S: load cell, touch display, HMI, SPS	Whereby: N: incline K: tilting D: rotation	Whereby: R: Frame S: suction	Whereby: M: manipulator S: suction D: rotation
150 – 600 kg	500 / 800 / 1000 kg	250 – 2500 kg	100 – 2000 kg

Tip: press pictures of handling devices to view technical specification

Explanations

Short	Explanation – Lifter type
E	Easylift
ZL	Cylinderlift
A/AS	Battery (accumulator) suction frame
GSR	Glass suction frame
GM	Glass minilift
IZ	Isolift

Short	Explanation – Features
D	Rotation
N	Inclination (84-90°)
K	Tilting (0-90°)
V	Electrical vacuum pump
P	Multistage ejector (pneumatic vacuum pump)
A	Adjustable arms in suction frame (GSRA)
E	Electrically (always in connection with other feature e.g. DE = rotating electrically)
T	Tilting (0-90°)
V	Vertical (~80-90°)
e	Ergo level control arm

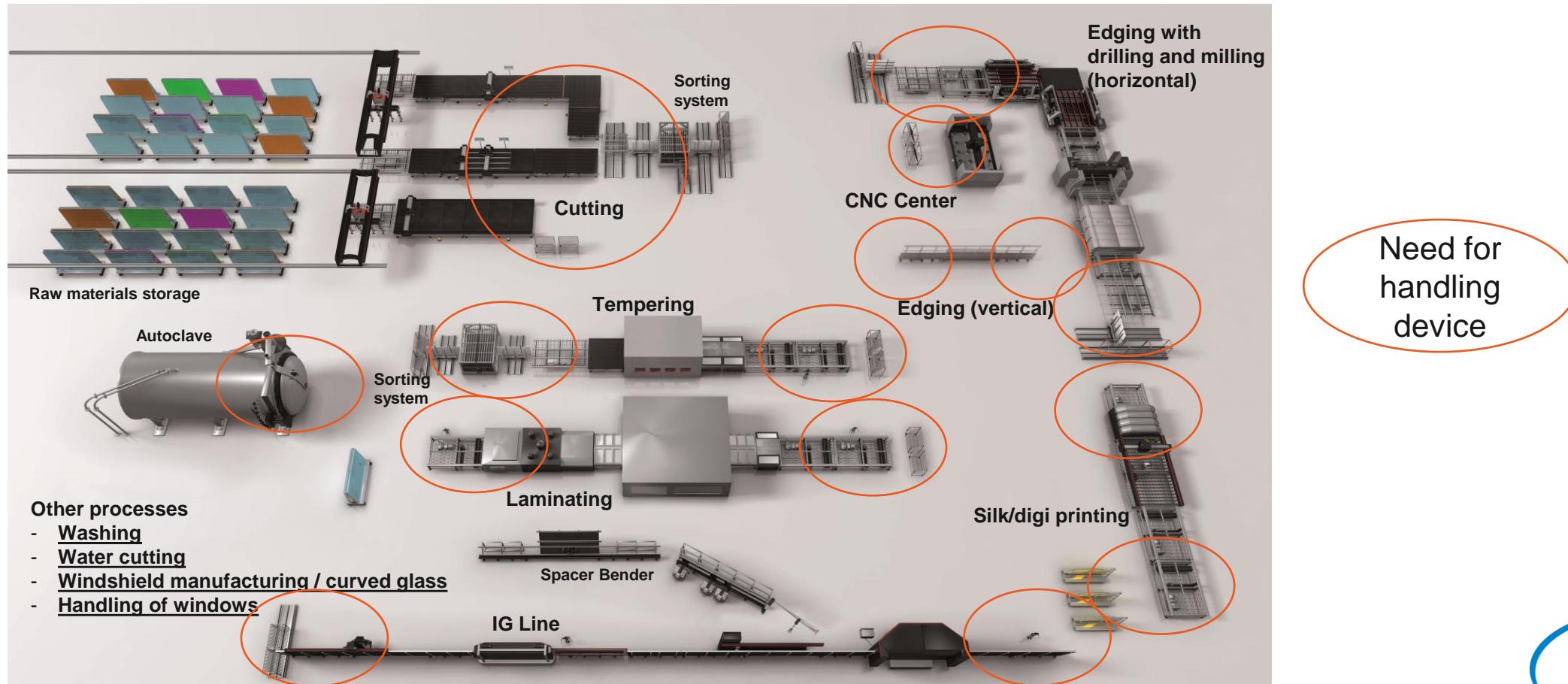
Defining a handling device

- Common questions
 - Using handling devices from light, individual, craneways for handling devices (light weight craneways / slewing cranes) or factory overhead crane
 - Manipulating vertical to vertical, horizontal to horizontal or horizontal to vertical
 - Need to rotate the glass:
 - no rotation / manual rotation / 90° pneumatically / 180° pneumatically / electrically
 - Product and installation area dimensions
 - Big horizontal tables where reaching the center is hard → lifting device needs a longer reach → NTe or EK/EDK with lenght adjustable service desk
 - Process including water / wet glasses → not recommended to use individual vacuum ejector modules in each suction cup

Inside a factory

Inside a factory, there are multiple processes where glass sheet handling may be necessary.

Different glass processing machines have their own characteristics, which affect the best handling device solution needed

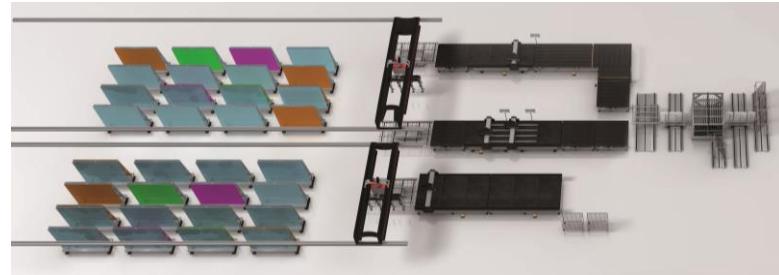


Tip: press process names to view more detailed information of handling devices for certain process

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Inside a factory

Cutting



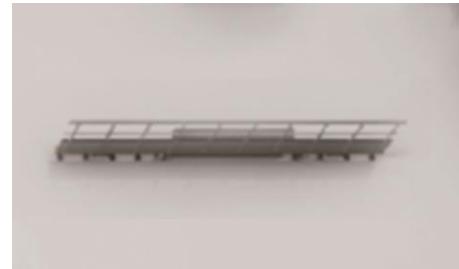
Typical orientation of glass	(Vertical) – horizontal – vertical	
Characteristics	<p>Loading of raw glass typically (semi)automatic.</p> <p>Big horizontal table → long distance to center of the glass.</p> <p>Glass rotation may be necessary.</p>	
Recommended handling device*	<p>Non rigid: NTe for all kind of application, NT for smaller (length adjustable control arm, if extra extension is required).</p> <p>Rigid: EK/EDK (possibly with length adjustable control arm)</p>	

*Models with own up – down system



Inside a factory

Edging, drilling and milling (vertical)

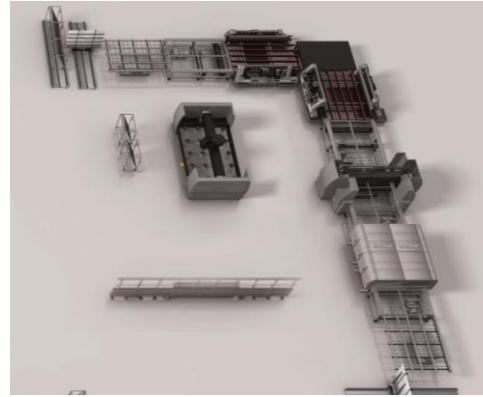


Typical orientation of glass	Vertical – vertical	
Characteristics	<p>Possibly tall glasses and/or line height is high → center of the glass needs to be lifted high.</p> <p>Typically glass rotation is required.</p>	
Recommended handling device*	<p>Non rigid: NVe for all kind of application, NV for smaller units</p> <p>Rigid: EDN with height adjustable control arm for all kind of application, EDN for medium/small sized units.</p>	

*Models with own up – down system

Inside a factory

Edging, drilling and milling (horizontal)



Typical orientation of glass	Vertical – horizontal – vertical	
Characteristics	Big horizontal table → long distance to center of the glass. Glass rotation may be necessary.	
Recommended handling device*	Non rigid: NTe for all kind of application, NT for smaller (length adjustable control arm, if extra extension is required). Rigid: EK/EDK with length adjustable control arm	

*Models with own up – down system

Inside a factory

Tempering



Typical orientation of glass	Vertical – horizontal – vertical	
Characteristics	<p>Big horizontal table → long distance to center of the glass.</p> <p>Glass rotation may be necessary.</p>	
Recommended handling device*	<p>Non rigid: NTe for all kind of application, NT for smaller (length adjustable control arm, if extra extension is required).</p> <p>Rigid: EK/EDK with length adjustable control arm</p>	

*Models with own up – down system

Inside a factory

Laminating

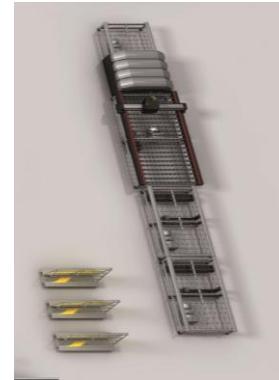


Typical orientation of glass	Vertical – horizontal – vertical	
Characteristics	<p>Big horizontal table → long distance to center of the glass.</p> <p>Glass application may need to very precise → Rigid handling device recommended.</p>	
Recommended handling device*	<p>Rigid: EK/EDK with length adjustable control arm</p> <p>Non rigid: NTe for all kind of application, NT for smaller (length adjustable control arm, if extra extension is required).</p>	

*Models with own up – down system

Inside a factory

Printing

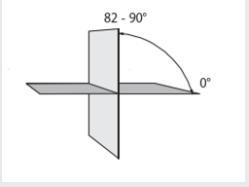


Typical orientation of glass	Vertical – horizontal – vertical	
Characteristics	Big horizontal table → long distance to center of the glass. Glass rotation may be necessary.	
Recommended handling device*	Non rigid: NTe for all kind of application, NT for smaller (length adjustable control arm, if extra extension is required). Rigid: EK/EDK with length adjustable control arm	

*Models with own up – down system

Inside a factory

Water cutting

Typical orientation of glass	Vertical – horizontal – vertical	
Characteristics	May include wet glasses → not recommended to use individual vacuum ejector modules in each suction cup	
Recommended handling device*	Non rigid: NTe for all kind of application, NT for smaller units Rigid: EK/EDK P with pneumatic vacuum pump and height adjustable control arm for all kind of application, EK/EDK P with pneumatic vacuum pump for medium/small sized units.	

*Models with own up – down system



Inside a factory

IG manufacturing



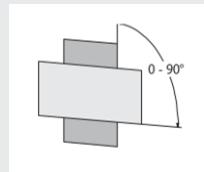
Typical orientation of glass	Vertical – vertical	
Characteristics	<p>Possibly tall glasses and/or line height is high → center of the glass needs to be lifted high.</p> <p>Typically glass rotation is required.</p> <p>Unloading side: rigid device with bottoms supports is recommended</p>	
Recommended handling device*	<p>Rigid: EDN with height adjustable control arm for all kind of application, EDN for smaller units. EDN with bottom support to unloading.</p> <p>Non rigid: NVe for all kind of application, NV for smaller units</p>	

*Models with own up – down system



Inside a factory

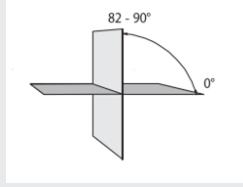
Washing

Typical orientation of glass	Vertical – vertical	
Characteristics	<p>Possibly tall glasses and/or line height is high → center of the glass needs to be lifted high.</p> <p>Typically glass rotation is necessary.</p>	 NV
Recommended handling device*	<p>Non rigid: NVe for all kind of application, NV for smaller units</p> <p>Rigid: EN/EDN with height adjustable control arm for all kind of application, EN/EDN for medium/small sized units.</p>	 NVe  EDN  EN/EK

*Models with own up – down system

Inside a factory

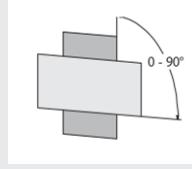
Windshield manufacturing / curved glass

Typical orientation of glass	Vertical – horizontal – vertical	
Characteristics	Curved glass handling	
Recommended handling device*	Special units designed for curved glass handling	

*Models with own up – down system

Inside a factory

Window manufacturing

Typical orientation of glass	Vertical – vertical	
Characteristics	Glass sheets may be in different levels and window frame / mullions may cause collisions to handling device frame	
Recommended handling device*	Special units designed for window handling	

*Models with own up – down system

EasyLift

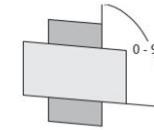
Rigid guided pneumatic vacuum lifting device

- Quick and safe transportation of glass and other plates – lifting, tilting or inclining and rotating
- Always including its own up/down – moving system
- Functional design with rigid handling equipment guidance
- Precise adjustment of load – load holds position also in case of eccentrically gripping
- Accurate positioning with stepless, adjustable lifting speed
- Vacuum creation via powerful venturi nozzles including a self-holding system for each suction cup
- Adjustable suction pads
- Minimal maintenance requirements

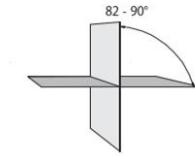


Depending on the type, the load can be rotated, tilted, inclined and turned.

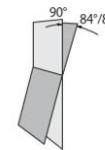
ROTATING



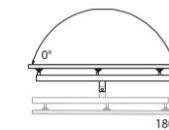
TLTING



INCLINING



TURNING (EWK)



TURNING (EWN)



EasyLift

Rigid guided pneumatic vacuum lifting device



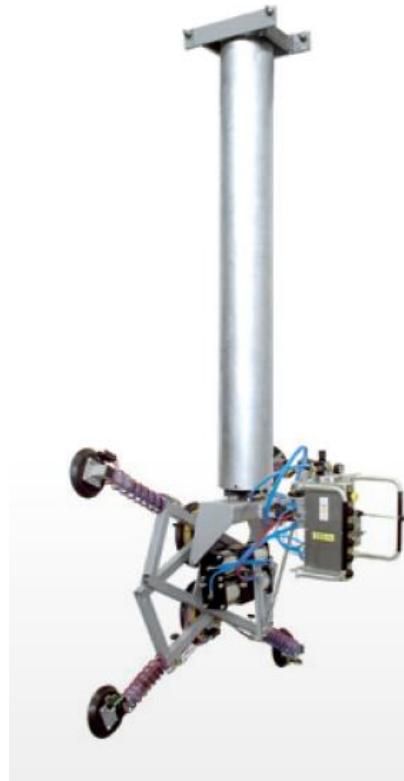
TYPE EDK

Application: Horizontal / vertical feeding and removal at IG sealing

Tilting: 0-90° pneumatically

Rotating: 0-90° pneumatically
0-180° pneumatically

EDK 250



TYPE EDN

Application: feeding and removal at IG sealing

Inclining: 84-90° pneumatically

Rotating: 0-90° pneumatically
0-180° pneumatically

EDN 350

EasyLift

Rigid guided pneumatic vacuum lifting device



TYPE EN/EK

Application: Horizontal / vertical processing line

Tilting: 0-90° pneumatically
Inclining: 84-90° pneumatically

EK 250



TYPE EWN/EWK

Application: Handling of coated glass panes at horizontal processing lines, e.g. screen printing lines or turning of panes or window elements

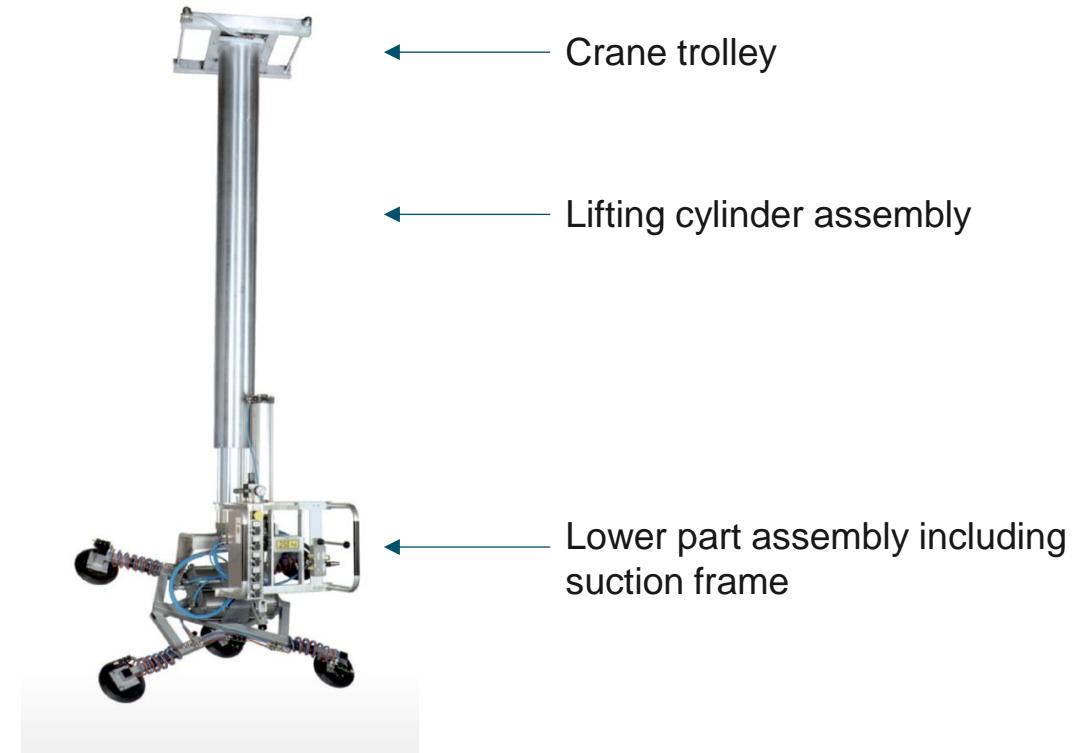
Tilting: 0-96° pneumatically
0-180° pneumatically

EWK 150

Easylift

Rigid guided pneumatic vacuum lifting device

Technical data	Easylift
Safe working load	150 / 250 / 350 / 500 kg
Stroke	Pneumatically with fix hoisting tube. Standard 1200 mm.
Rotating of lifting device	360° manually
Vacuum generation	Venturi nozzles with self-holding system
Compressed air supply	6 bar 3/4"
Compressed-air connection	Coupler socket 1/2" / 1/4"
Safety device	Acoustic

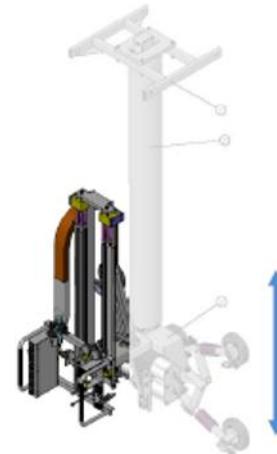


EasyLift

Rigid guided pneumatic vacuum lifting device

Options

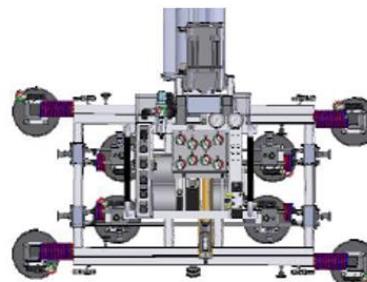
- Service desk adjustable in height, pneumatic up/down
- Service desk adjustable in height, manually/pneumatic fixing
- Service desk adjustable in length, manually
- Vacuum display into service desk (6 pcs)
- Modification of suction frame (LOW-E) up to 350 kg
- Automatic power save function (6 pcs)
- Support feet for IGUs
- Special suction frame for window manufacturing



Service desk adjustable in height,
pneumatic up/down



Service desk adjustable in length,
manually/pneumatic fixing

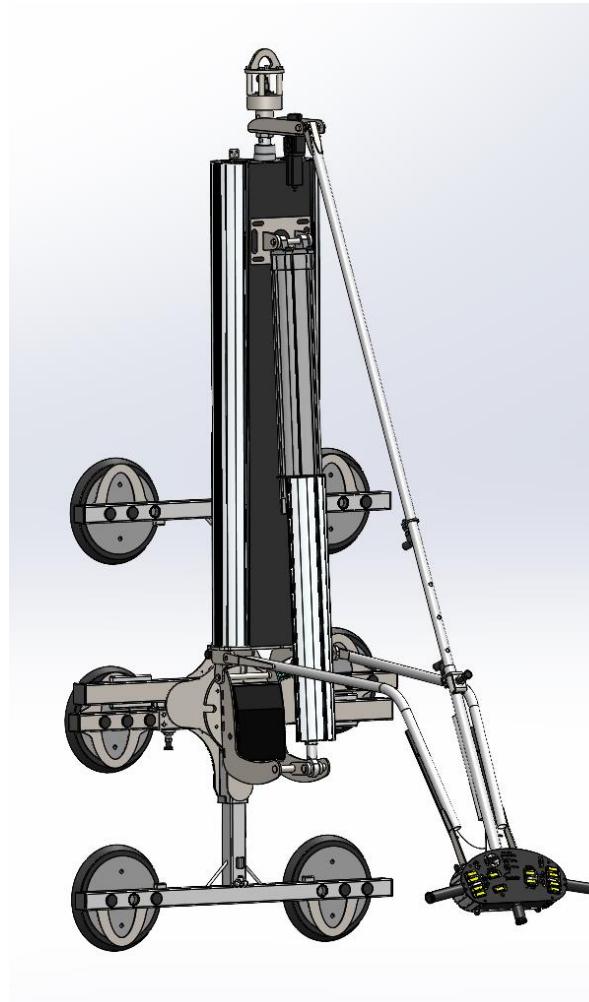


Vacuum display into service desk (6 pcs)

Simplelift – NT and NTe

Tilting vacuum lifting devices

- Quick and safe transportation of glass and other plates – lifting, tilting and rotating
- Always including its own up/down – moving system
- Two-speed pneumatic lifting and tilting functions
- ECO-TURBO vacuum creation via centralized venturi nozzles
- EasyRelease blow function removes vacuum quickly to make detaching easier
- Adjustable central suction pads, detachable extra vacuum cups
- Low own weight and minimal maintenance requirements
- Hanging height can be easily adjusted to fit installation space



NTe450

Simplelift – NT and NTe

Tilting vacuum lifting devices

TYPE NT



NT250

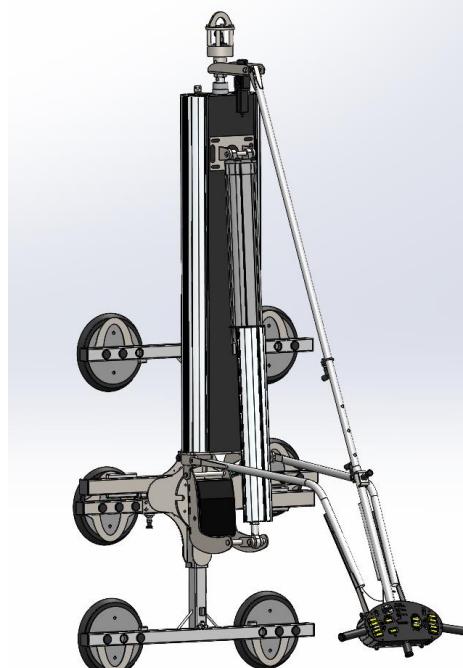
Application: Horizontal / vertical processing. Fits also in tight places.

Control arm: Adjustable with pneumatic lock

Tilting: 0-90° pneumatically

Rotating: 360° manually gripper can be locked in every 90°

TYPE NTe



NTe450

Application: Horizontal processing lines, e.g feeding and removal at tempering furnaces

Control arm: Ergo level, maintains constant height, while lifting. Pre adjustable.

Tilting: 0-90° pneumatically

Rotating: 360° manually, gripper can be locked in every 90°

Simplelift – NT and NTe

Tilting vacuum lifting device

Technical data	NT and NTe
Safe working load	150 / 250 / 450 kg
Stroke	Pneumatic cylinder. Standard 1200 mm
Rotating of lifting device	360° manually
Rotating of suction frame	360° manually, can be locked in every 90°
Vacuum generation	Centralized venturi nozzles
Compressed air supply	6,5 bar 3/4"
Compressed-air connection	Quick coupling socket
Suction frames	Available in different standard sizes (small, medium, wide)

Suction frames			
Suction frame type	Vacuum cups	Lifting capacity	Air consuption
K2/T2	2 pcs	150 kg	117 NL/min
K4/T4	4 pcs	250 kg	150 NL/min
T6	6 pcs	450 kg	183 NL/min

Available suction frames: K2S, K2M, T2S, T2M, T2W, K4M, T4S, T4M, T4W, T6S, T6W

K = fixed, T = telescopic, S = small, M = medium, W= wide

Simplelift – NT and NTe

Tilting vacuum lifting devices

Options

- NT with pneumatically extendable control panel
- Suspension point adjustable manually (pre adjustment)
- Suspension point adjustable pneumatically
- Suction frame rotation lock from 90° to 45°

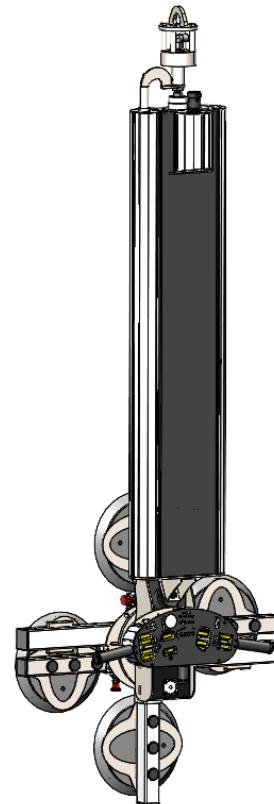


NT150 with pneumatically extendable control panel

Simplelift – NV and NVe

Vertical vacuum lifting devices

- Quick and safe transportation of glass and other plates – lifting, inclining and rotating
- Always including its own up/down – moving system
- Two-speed pneumatic lifting
- Pneumatic compensation for inclination angle with bladder cylinder
- ECO-TURBO vacuum creation via centralized venturi nozzles
- EasyRelease blow function removes vacuum quickly to make detaching easier
- Adjustable central suction pads, detachable extra vacuum cups
- Low own weight and minimal maintenance requirements
- Hanging height can be easily adjusted to fit installation space



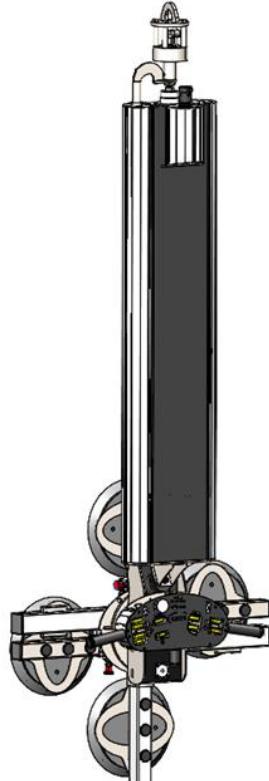
NV250



NVe250

Simplelift – NV and NVe

Vertical vacuum lifting devices



NV250

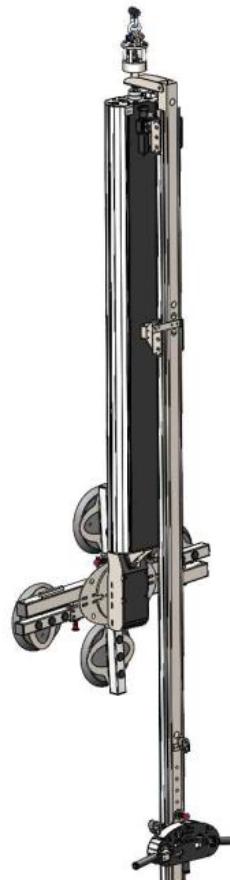
TYPE NV

Application: Vertical processing. Fits also in tight places.

Control arm: Fixed control arm

Tilting: 0-10° pneumatically

Rotating: 360° manually gripper can be locked in every 90°



NVe250

TYPE NVe

Application: Vertical processing lines

Control arm: Ergo level, maintains constant height, while lifting. Pre adjustable.

Tilting: 0-10° pneumatically

Rotating: 360° manually, gripper can be locked in every 90°

Simplelift – NV and NVe

Vertical vacuum lifting device

Technical data	NV and NVe
Safe working load	150 / 250 / 450 kg
Stroke	Pneumatic cylinder. Standard 1200 mm (NV), 1600 (NVe)
Rotating of lifting device	360° manually
Rotating of suction frame	360° manually, can be locked in every 90°
Vacuum generation	Centralized venturi nozzles
Compressed air supply	6,5 bar 3/4"
Compressed-air connection	Quick coupling socket
Suction frames	Available in different standard sizes (small, medium, wide)

Suction frames			
Suction frame type	Vacuum cups	Lifting capacity	Air consuption
K2/T2	2 pcs	150 kg	117 NL/min
K4/T4	4 pcs	250 kg	150 NL/min
T6	6 pcs	450 kg	183 NL/min

Available suction frames: K2S, K2M, T2S, T2M, T2W, K4M, T4S, T4M, T4W, T6S, T6W

K = fixed, T = telescopic, S = small, M = medium, W= wide

Simplelift – NV and NVe

Vertical vacuum lifting devices

Options

- Inclining with pneumatic cylinder instead of bladder cylinder
- Suspension point adjustable manually (pre adjustment)
- Suspension point adjustable pneumatically
- Suction frame rotation lock from 90° to 45°



NV450 with suspension point adjustable manually



NV450 with suspension point adjustable pneumatically and inclining with pneumatic cylinder

Cylinderlift

Vacuum lifter for vertical rotation

- Economic glass handling in vertical position
- Especially for smaller units (250 kg and up to approx. 2 m²)
- Includes lifting and rotation functions. Tilting function available in ZLDN model.
- Always including its own up/down – moving system
- Accurate positioning with stepless, adjustable lifting speed
- Vacuum creation via centralized venturi nozzles including an energy saving function
- Suction activates automatically, when touching a sheet to be lifted
- Minimal maintenance requirements

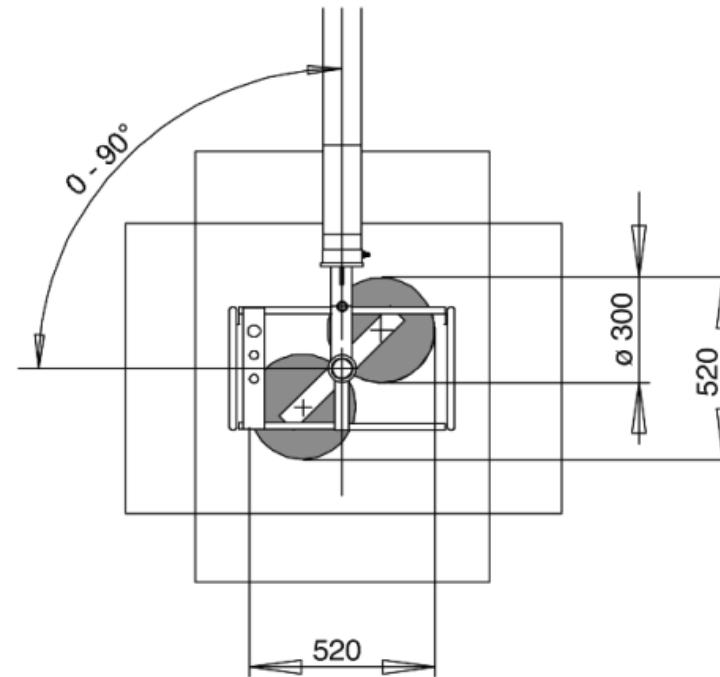


ZLD250

Cylinderlift

Vacuum lifter for vertical rotation

Technical data	Cylinderlift
Safe working load	250 kg
Suspended from	Trolley
Stroke	Pneumatic cylinder. Standard 1200 mm.
Rotating of lifting device	360° manually
Rotating of suction frame	0-90° pneumatically
Vacuum generation	Venturi nozzles with self-holding system, automatic suction, energy saving system
Compressed air supply	6 bar 3/4"
Compressed-air connection	Coupler socket 1/4"
Safety device	Acoustic
Own weight	approx. 70 kg



Battery chainlift

Mobile vacuum lifting device

- Self-contained, accumulator-driven manipulator for handling glass panes and similar plates
- Two-circuit-vacuum system according to EN13155
- Vacuum creation via vacuum pump
- Ergonomically arranged control elements
- Minimal maintenance requirements
- Flexible – can be installed in all types of cranes with a hook



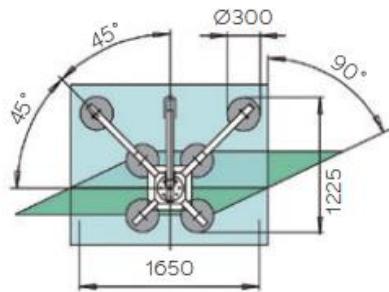
ADK V 600 with extra vacuum cups

Battery chainlift

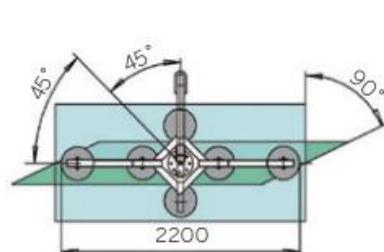
Mobile vacuum lifting device

ADK/ADV provides versatile application possibilities

Various modifiable suction cup and connector positioning options made easy via socket pins (without tools)



With suction bar for narrow panes



With suction bar for narrow panes

Battery chain lift

Mobile vacuum lifting device

Technical data	ADK
Application	Self-contained in chain or wire rope hoist, in hall or mobile crane
Safe working load	600 kg
Rotation of load	Manually, endless, locking every 45°
Tilting of load	Stepless 0-90° by hand-operated hydraulic
Suction cups	6 pieces Ø300 mm
Vacuum generation	Vacuum pump
Own weight	90 kg
Battery	12 V / 7,2 Ah, enough for approx. 150 x sucking
Battery charger	230 V
Dimensions of suction frame	Variable, using combinations of connectors and suction cups
Safety device	Visual indicator



Extra suspension (interchangeable) enabling the ADK to be used for facade glazing (inhouse)

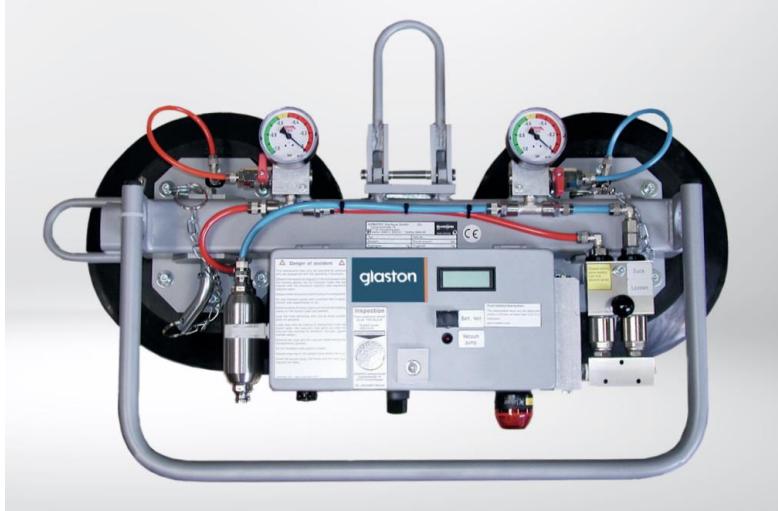


Transport box for the manipulator ADK plus accessories

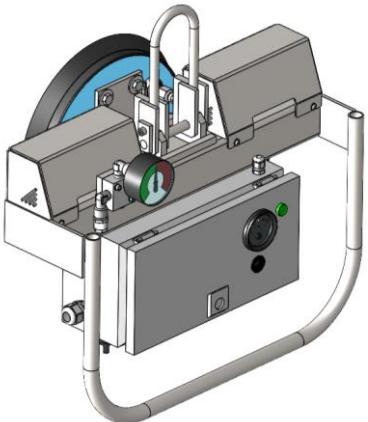
Battery chainlift

Mobile vacuum lifting device

ASL 100/ ASL 220 for flexible, mobile vertical lifting



ASL V 220

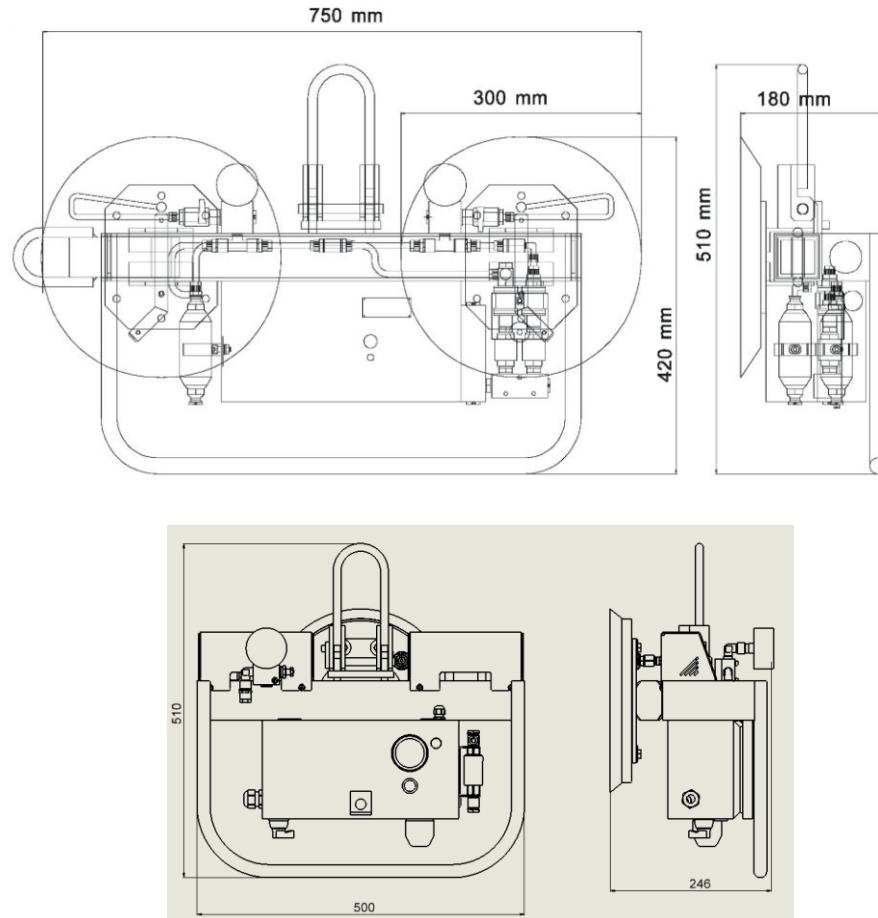


ASL V 100

Battery chainlift

Mobile vacuum lifting device

Technical data	ASL
Application	Self-contained in chain or wire rope hoist, in hall or mobile crane
Safe working load	100/220 kg
Movement of load	Vertical
Suction cups	1 or 2 pieces Ø300 mm
Vacuum generation	Vacuum pump
Own weight	15/20 kg
Battery	12 V / 7,2 Ah, enough for approx. 150 x sucking
Battery charger	230 V
Glass size	ASL V 100, 400x400 mm ASL V 220, 800x400 mm up to approx. 2 m ²
Safety device	Visual indicator



Slewing cranes

- Low price solution for working in a circular area
- As pillar or wall slewing crane
- Jib can be manufactured with one or two rails – according to application
- Height up to the lower edge is customized

Technical data	SSK/WSK
Standard capacity	500 kg
Standard jib lenght	6 meters
Standard height to the lower edge	3800 mm
Standard slewing range	210°
Available options	<ul style="list-style-type: none">- Slewing range 270°- Chemical dowel plate instead of intermediate plate- Jib length 4 or 5 meters



Light weight craneway systems (LWCW)

X-Y craneway solution

- Individual, customized solutions
- Free-moving with traversing range
- At heavier weights, also available with friction wheel drive
- Standard delivery with separate pillars. Also available with suspension from existing ceiling beams, hall supporting pillars or jib constructions



Isolift

The two-column lifter

- For handling of big and heavy glass units – lifting, tilting and rotating of glass plates up to 1000 kg
- Functional design with rigid handling equipment guidance
- Precise adjustment of load – load holds position also in case of eccentrically gripping
- Vacuum generation via electrical vacuum pump or venturi nozzles
- Utilized in an X-Y craneway construction
- Options:
 - Service desk adjustable in height, manually/ pneumatic fixing



IZDEKN 500

IZKE V

Chainlift

Vertical transport of heavy and large panes

- Standard manipulator for vertical transport of heavy and large panes
- Application: vertical handling of glass e.g. in storage or cutting areas or unloading IG-units
- Safe working load 250 / 350 / 500 / 1100 / 2000 / 2500 kg
- Vacuum is produced by an integrated vacuum pump
- Options:
 - Support feet for unloading IG-Units up to 2,3 m
 - Support feet for unloading IG-Units up to 3,3 m
 - Pair of glass holding tongs for unloading triple IG-units

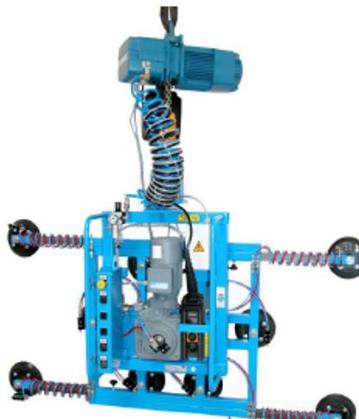


GSRA 1500 with support feet

Minilift

For big and heavy lifting

- Special equipment to be hung in hoisting gear
- Tilts and rotates glass plates where horizontal to vertical positioning movements have to be made
- Available in versions with a lifting capacity up to 2000 kg
- Tilting function electrically or pneumatically
- Vacuum generation via electrical vacuum pump or venturi nozzles
- Available with and without rotation function



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MSDR 500



SDR 250



GMLK 500



GMLKE V 500



GMLDK V 500