

# Welcome to the original!

We are worldwide specialists for intra-plant transports of heavy or sensitive materials with rough, smooth or porous surfaces.



VACULIFT,  
EASY & SAFE LIFTING SOLUTION  
FOR HEAVY MATERIALS





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Asia Sole Distributor  
<SMARTECO>

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# About VACULIFT®

As the inventor of sophisticated vacuum lifting technologies, we are manufacturing VACULIFT for more than 50 years.

Innovative and efficient transport solutions which improve production processes in a variety of industries. With pride we refer to more than 28,000 VACULIFT which are used worldwide and VACULIFT has the leading position at the national and international levels.

With our well-founded knowledge, professional project management and permanent research and development programs we have excellent qualifications to deliver tailor-made industry solutions.



Established  
Year **1967**



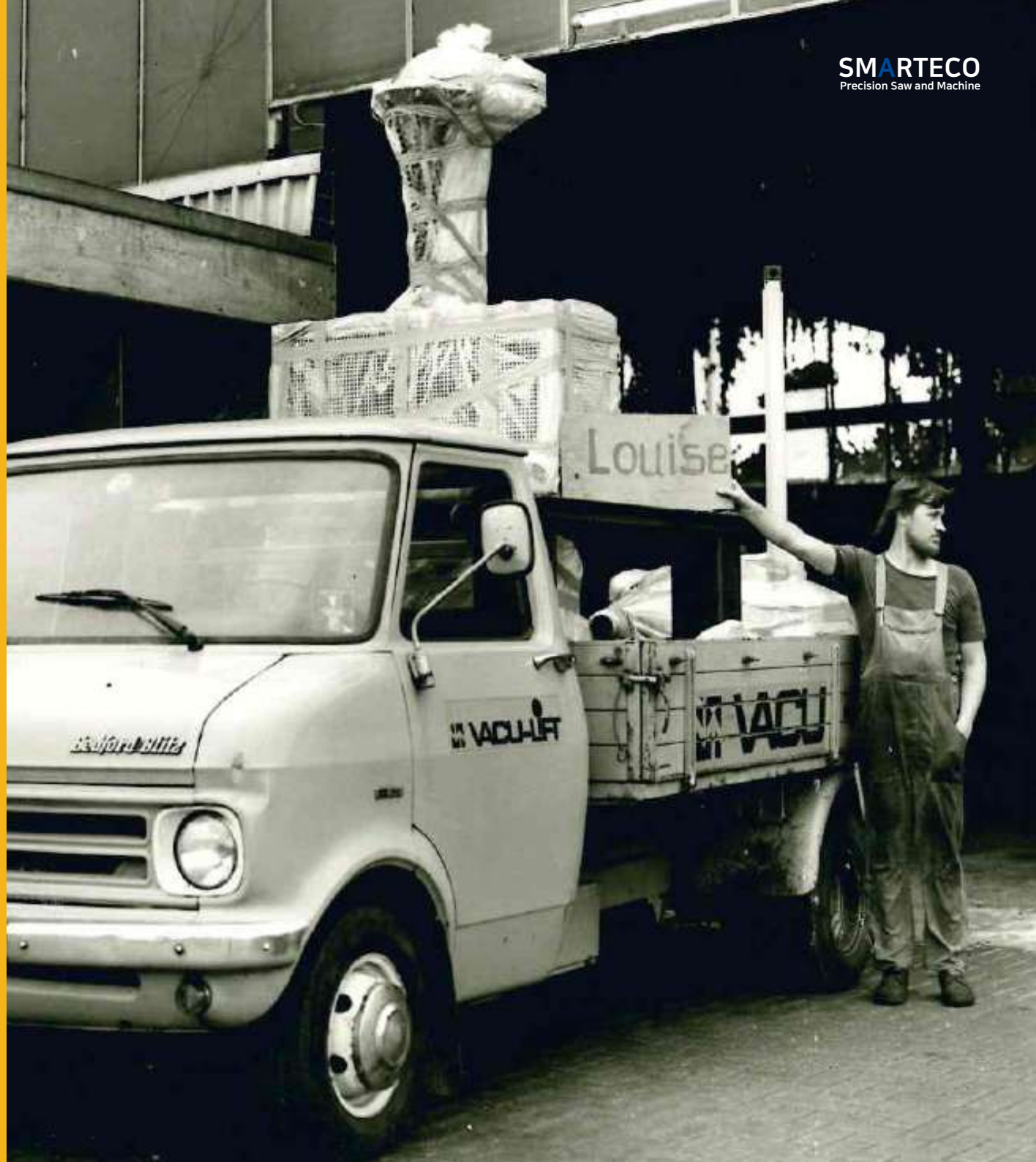
**28.000**  
Types of Product



**Worldwide  
Brand**



**100%** made in  
Germany



# Useful Information of VACULIFT®

## Basic Information

Each standard VACULIFT has a high-quality basic and depending on the type, is equipped with different beams and suction pads.

## Special Function

- Easy control by safety sliding valve / remote control / cable / radio / automatic control
- Low maintenance and easy to service
- Safety in case of power failure by intelligent components
- Short starting-time by tailor-made vacuum tank
- Many accessories available
- Long-life, high-quality systems
- Variable retrofittable

## Service

- Fast delivery of all parts from stock
- Fast servicing and well trained technicians
- 1 year warranty
- 30 year long-term warranty on spare part availability

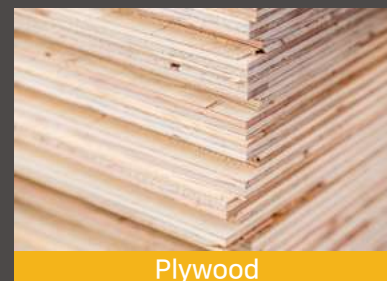
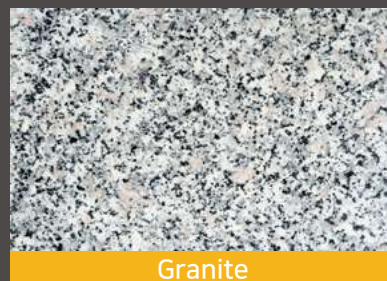
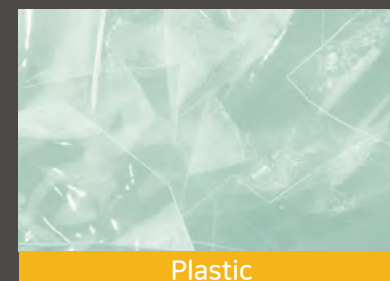
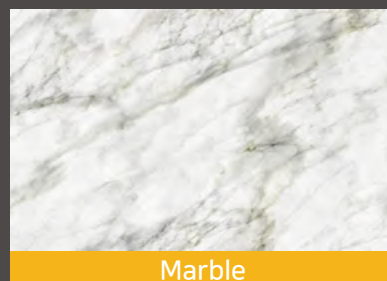
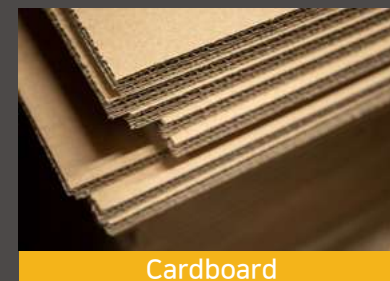
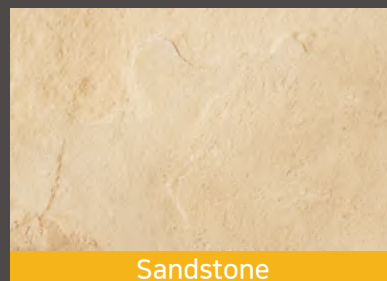
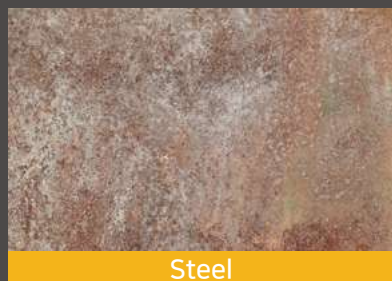
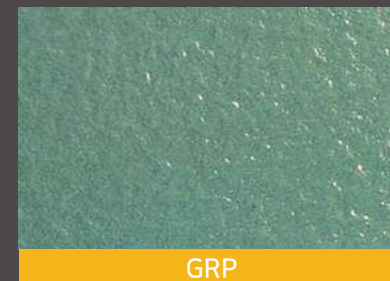
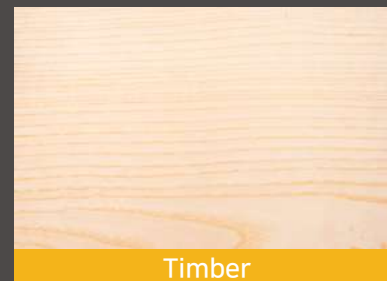
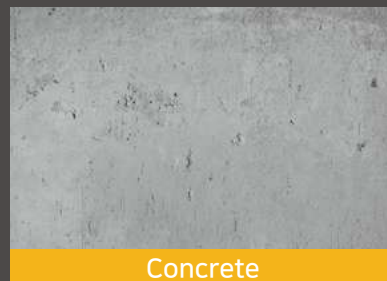
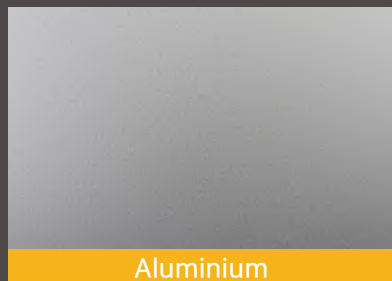
## Guarantees Safety

- European Safety Standard Approved
- EN, CE, RoHS Certified
- Increased safety beyond standards EN 13155 and ASME B30.20

**VACU LIFT**  
Vacuum Transport Systems



# Used in Different Types of Material





## Green Line

U01 (max. 75 kg)  
U02 (max. 300 kg)  
U075 (max. 750 kg)  
U125 (max. 1250 kg)  
U250 (max. 2500 kg)  
U400 (max. 4000 kg)  
U700 (max. 7000 kg)  
Unique Lifters



## Red Line

Standards  
Pivoting  
Turning  
Tube Lifters  
Vacuum Stations  
Holding Fixtures  
Unique Lifters  
WLL Unlimited



## Blue Line

Standards  
Pivoting  
Turning  
Tube Lifters  
Vacuum Stations  
Holding Fixtures  
Unique Lifters  
WLL Unlimited



## Gold Line

Mobile  
Standards  
Pivoting  
Turning  
Vacuum Stations  
Holding Fixtures  
Unique Lifters  
WLL Unlimited

## VACULIFT® GREEN LINE

(Non-Power Lifting)

- Energy independent
- Automatic work-cycle
- Plug & Play, immediately ready for operation
- Standard and customised solutions
- Lifting capacity up to 7,000KG
- Low maintenance even if the going gets tough
- Simply controlled e.g. by crane control
- For indoor and outdoor use
- Sophisticated devices by 50 years of experience
- Made in Germany

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For gentle, horizontal transport of smooth,  
non-porous loads

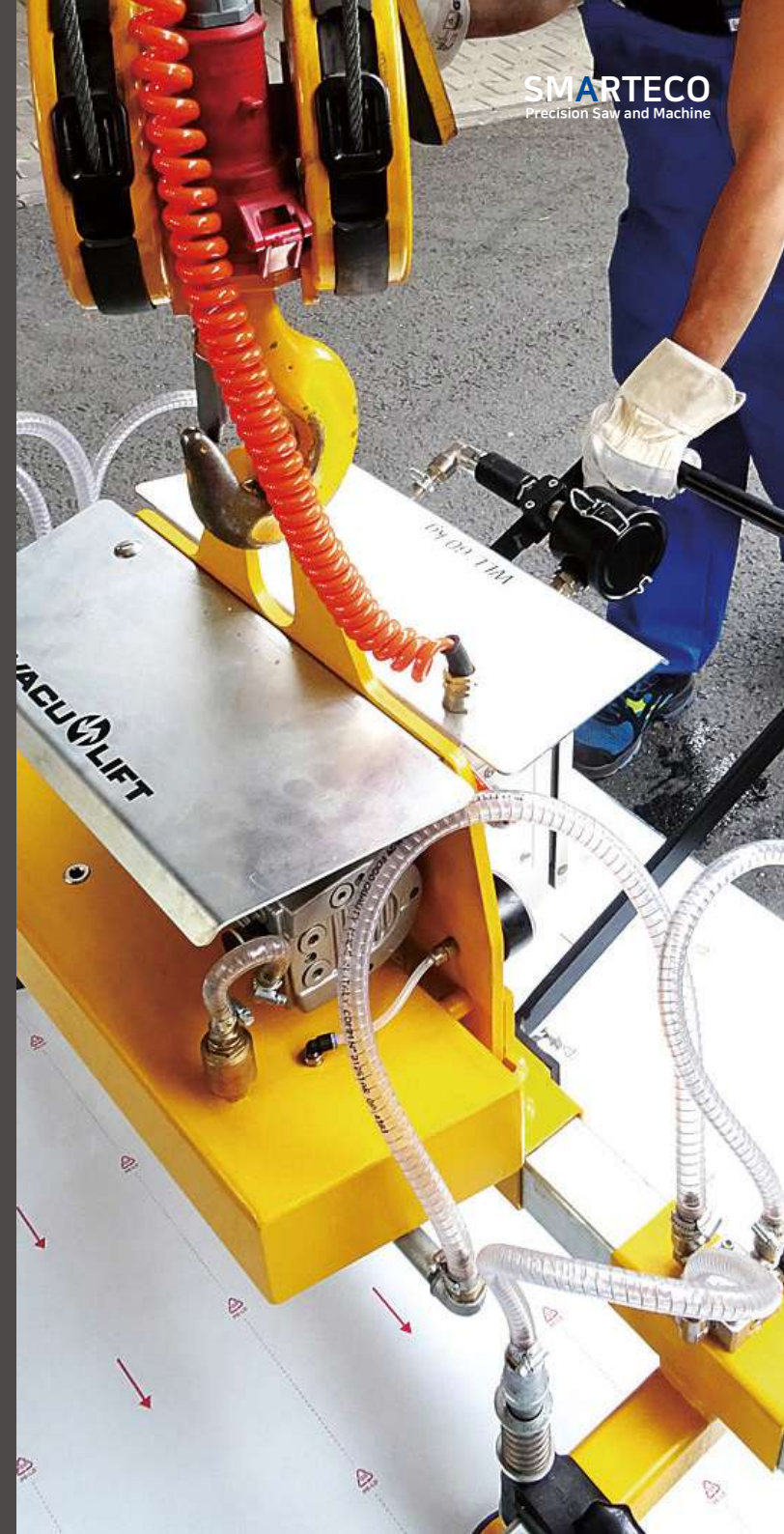
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# VACULIFT® GREEN LINE (Non-Power Lifting)

## Product Description & Tailor-made

VACULIFT®						
TYPE		U01-E	U02-E	U075-E	U075-2	U125-E
lifting capacity	kg / lbs	75 / 165	270 / 595	640 / 1411	750 / 1653	1100 / 2425
max. dimension of the load	mm / inch	1000*1000 39*39"	2000*1000 79*39"	2000*1000 79*39"	3000*1500 118*59"	2000*2000 79*79"
min. load dimension	mm / inch	Ø 210 8"	Ø 350 14"	Ø 480 19"	840*415 33*16"	Ø 625 25"
min. thickness	mm / inch	2 0.08"	2 0.08"	2 0.08"	2 0.08"	2 0.08"
dead weight	kg / lbs	5 / 11	22 / 49	83 / 183	127 / 280	135 / 298
suction pads number / size	mm / inch	1 / Ø 210 8"	1 / Ø 350 14"	1 / Ø 480 19"	2 / Ø 415 16"	1 / Ø 625 25"
min. load	kg / lbs	5 / 11	10 / 22	35 / 77	20 / 44	35 / 77
length x width x switching height	mm / inch	210*210*440 8*8*17"	350*350*615 14*14*24"	480*480*850 19*19*33"	1915*415*1070 75*16*42"	625*625*950 25*25*37"



## VACULIFT® RED LINE (Electric Lifting)

- For almost every kind of material and application
- Standard and customised solutions
- Robust and durable systems in top quality
- Lifting capacity (WLL) up to 150.000KG and more
- Easy controlled by e.g. hand lever,...
- Available standard voltages 24 – 500 Volt
- Increased safety beyond DIN EN 13155
- Safe in case of power failure
- For indoor and outdoor use
- Sophisticated devices by 50 years of experience
- Made in Germany

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Horizontal or vertical transport of loads

Pivoting, turning and mobile systems

Also for loads with rough surface, tubes, coils,  
facade parts & more

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# VACULIFT® RED LINE (Electric Lifting)

## Product Description & Tailor-made

VACULIFT®					
TYPE		H-E-150	H-2-1250	H-4Q-1250	H-4K-1250
lifting capacity	kg / lbs	150 330	1.250 2.765	1.250 2.765	1.250 2.765
max. dimension of the load	mm / inch	1.000*1.000 39*39"	3.000*1.500 118*59"	1.200*1.100 47*1.43"	4.000*2.000 157*79"
min. load dimension	mm / inch	ø 280 11"	1.350*630 53*25"	700*460 28*16"	1.000*500 39*20"
min. thickness	mm / inch	1 0,04"	2 0,08"	2 0,08"	2 0,08"
dead weight	kg / lbs	64 141	184 406	244 538	215 474
suction pads number / size	mm / inch	1 / Ø 270 11"	2 / Ø 650 26"	4 / Ø 495 19"	4 / Ø 495 14"
dimension (L*W*H)	mm / inch	610*840*695 24*33*28"	1.500*890*700 59*35*28"	1.800*1.000*825 71*39*32"	2.760*840*820 112*33*32"
Connected load (100-500 V available)	V / Hz / kW	230 V; 50 Hz; 0,3 kW 110 V, 60 Hz, 0,3 kW	230 V; 50 Hz; 0,6 kW 110 V, 60 Hz, 0,3 kW	230 V; 50 Hz; 0,3 kW 110 V, 60 Hz, 0,3 kW	230 V; 50 Hz; 0,3 kW 110 V, 60 Hz, 0,3 kW



# VACULIFT® BLUE LINE

(Pneumatic Lifting)

- For almost every kind of material and application
- Standard and customised solutions
- Robust and durable systems in top quality
- Lifting capacity (WLL) up to 150.000 kg and more
- Easy controlled by hand lever
- Powered by compressed air (6 bar)
- Increased safety beyond DIN EN 13155
- Safe in case of power failure
- For indoor and outdoor use
- Sophisticated devices by 50 years of experience
- Made in Germany

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Horizontal or vertical transport of loads

Also for pivoting or turning systems

For loads with smooth or rough surface, tubes, coils, facade parts & more

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# VACULIFT® BLUE LINE (Pneumatic Lifting)

## Product Description & Tailor-made

VACULIFT®					
TYPE		H-E-150	H-2-1250	H-4Q-1250	H-4K-1250
lifting capacity	kg / lbs	150 330	1.250 2.765	1.250 2.765	1.250 2.765
max.dimension of the load	mm / inch	1.000*1.000 39*39"	3.000*1.500 118*59"	2.500*1.250 98*49"	4.000*2.000 157*79"
min. load dimension	mm / inch	ø 280 11"	1.350*630 53*25"	1.200*1.100 47*1.43"	1.000*500 39*20"
min. thickness	mm / inch	1 0,04"	2 0,08"	2 0,08"	2 0,08"
dead weight	kg / lbs	52 115	172 379	232 511	203 448
suction pads number / size	mm / inch	1 / Ø 270 11"	2 / Ø 650 26"	4 / Ø 495 19"	4 / Ø 495 14"
dimension (L*W*H)	mm / inch	610*840*695 24*33*28"	1.500*890*700 59*35*28"	1.800*1.000*825 71*39*32"	2.760*840*820 112*33*32"



## VACULIFT® GOLD LINE

(Battery Lifting)

- For almost every kind of material and application
- Standard and customised solutions
- Robust and durable systems in top quality
- Lifting capacity (WLL) up to 150.000 kg and more
- Easy handling
- Battery powered with mains charger
- Also available with diesel generator
- 2 vacuum circuits for more safety on site
- Increased safety beyond DIN EN 13155
- For indoor and outdoor use
- Sophisticated devices by 50 years of experience
- Made in Germany

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Horizontal or vertical transport of loads or for pivoting or turning systems  
For loads with smooth or rough surface, tubes, coils, facade parts & more



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# VACULIFT® GOLD LINE (Battery Lifting)

## Product Description & Tailor-made

VACULIFT®				
TYPE		Domicile 1 K Basic	Domicile 1 K Pro	
lifting capacity	kg / lbs	400 / 882	200 / 441	400 / 882
load dimension	mm / inch	4000-12000 / 13-40	4000-12000 / 13-40	
dead weight	mm / inch	140 / 309	160 / 353	
dimension (H*W*D)	mm / inch	1085*3650*1000 / 43*144*39	1140*3650*1000 / 45*144*39	

VACULIFT®					
TYPE		Domicile 2 K Basic		Domicile 2K Pro	
lifting capacity	kg / lbs	400 / 882		200 / 441	400 / 882
load dimension	mm / inch	4000-12000 / 13-40		4000-12000 / 13-40	
dead weight	mm / inch	155 / 342		166 / 366	
dimension (H*W*D)	mm / inch	1085*3650*1000 / 43*144*39		1140*3650*1000 / 45*144*39	



## VACULIFT SERVICE

- Worldwide Service
- Telephone and email support forever for free
- Fast spare part delivery
- Always all wear parts in stock
- 30 years spares availability
- Maintenance by pros
- Retrofitting of all vacuum systems
- Commissioning on site
- Data and reporting services
- PLC coding and implementation
- Predictive maintenance
- Module consulting and delivery

**VACULIFT  
SERVICE**



## Vacuum Stations and Components

Another sophisticated speciality of VACU-LIFT is our vacuum station, where the vacuum unit and the lifting unit are separated. A smart and flexible solution for many companies.

We have the perfect solution, whether it be the pivoting of 120 o C hot shaft material at Rolls Royce or the lifting of small, heavy aluminium parts at Aerospace, ... solutions based on experience.

A vacuum station allows to be independent from the limited capacity of a crane. The small, lightweight tappet is connected to the hoist and the vacuum unit can be positioned where space is available.

### VACULIFT'S ADVANTAGES



Save Personnel  
Expenses



Easy  
Operation



1Year  
Warranty





## VACULIFT WORLDWIDE CUSTOMERS

Abeking & Rasmussen  
ABUS  
Acciona Blades  
AIRBUS  
ALCOA  
Almutlak Industries  
Alstom  
ArcelorMittal  
Babcock  
BASF  
BAE Systems  
Bayer  
Bernard Krone GmbH  
Bombardier  
Bosch  
Borusan Mannesmann  
Brüggen Fahrzeugwerk

Butting  
CLAAS  
Daimler AG  
DEMAG  
Deutsche Bahn AG  
ENERCON  
ETERNIT AG  
FAG  
FORD  
Fraunhofer Institut  
Gamesa  
Gazprom  
Global Steel  
John Deere  
KAMENSK URALSKY  
Kögel Trailer  
Langendorf

Liebherr  
Mercedes-Benz  
Meyer Werft  
Miele  
Mineralit  
NASA  
NOKIA  
Outokumpu  
Premium Aerotec  
Rhenus  
Riablades  
Rolls Royce  
Salzgitter AG  
Schmitz Cargobull  
Schott AG  
Schüco International  
SGL Carbon

Siemens  
SIJ Acroni  
Slawinski  
Stadler Rail  
Suzlon  
Tesla  
ThyssenKrupp  
ThyssenKrupp Aerospace  
ThyssenKrupp Schulte  
TIKVIN, Russia  
TMK  
UnionStahl  
Vestas  
Volkswagen  
ZAPP  
KNF  
...

As a pioneer and inventor of vacuum lifting technology,  
we have paved the way for it worldwide with our patents over the past 50 years.

# VACU LIFT

Vacuum Transport Systems



## THE WORLD OF VACULIFT

VACULIFT Transportsysteme GmbH  
Made in Germany | [www.smarteco-machine.com](http://www.smarteco-machine.com)  
[sales@smarteco-machine.com](mailto:sales@smarteco-machine.com)  
+82 2 6001 0323

**VACU LIFT**  
Vacuum Transport Systems

**SMARTECO** "We are Asia's SOLE Distributor of VACULIFT, Germany."  
Precision Saw and Machine

For further inquiries, please contact 『 SMARTECO 』 the official partner of VACULIFT

**Tel** +82 2 6001 3023

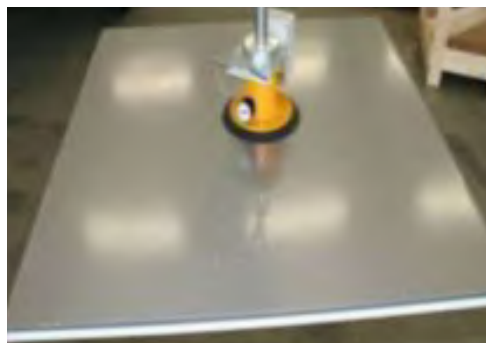
**Email** [sales@smarteco-machine.com](mailto:sales@smarteco-machine.com)

**Homepage** [www.smarteco-machine.com](http://www.smarteco-machine.com)



# VACULIFT GREEN LINE U01

SMARTECO  
Precision Saw and Machine





## VACULIFT GREEN LINE U02

SMARTECO  
Precision Saw and Machine

300 kg (max)





## VACULIFT GREEN LINE U075

SMARTECO  
Precision Saw and Machine

750 kg (max)





## VACULIFT GREEN LINE U125

SMARTECO  
Precision Saw and Machine

1.250 kg (max)





## VACULIFT GREEN LINE U250

SMARTECO  
Precision Saw and Machine

2.500 kg (max)





## VACULIFT GREEN LINE U400 + U700

SMARTECO  
Precision Saw and Machine

4.000 kg (max)





## VACULIFT GREEN LINE Connected to Forklift

**SMARTECO**  
Precision Saw and Machine





# VACULIFT RED LINE Vacuum Station

SMARTECO  
Precision Saw and Machine





## VACULIFT RED LINE Different Types of Suction Pads

SMARTECO  
Precision Saw and Machine





## VACULIFT RED LINE Pivoting & Rotation

**SMARTECO**  
Precision Saw and Machine





# VACULIFT RED LINE

## Pivoting in 180° with Rotating Device

SMARTECO  
Precision Saw and Machine





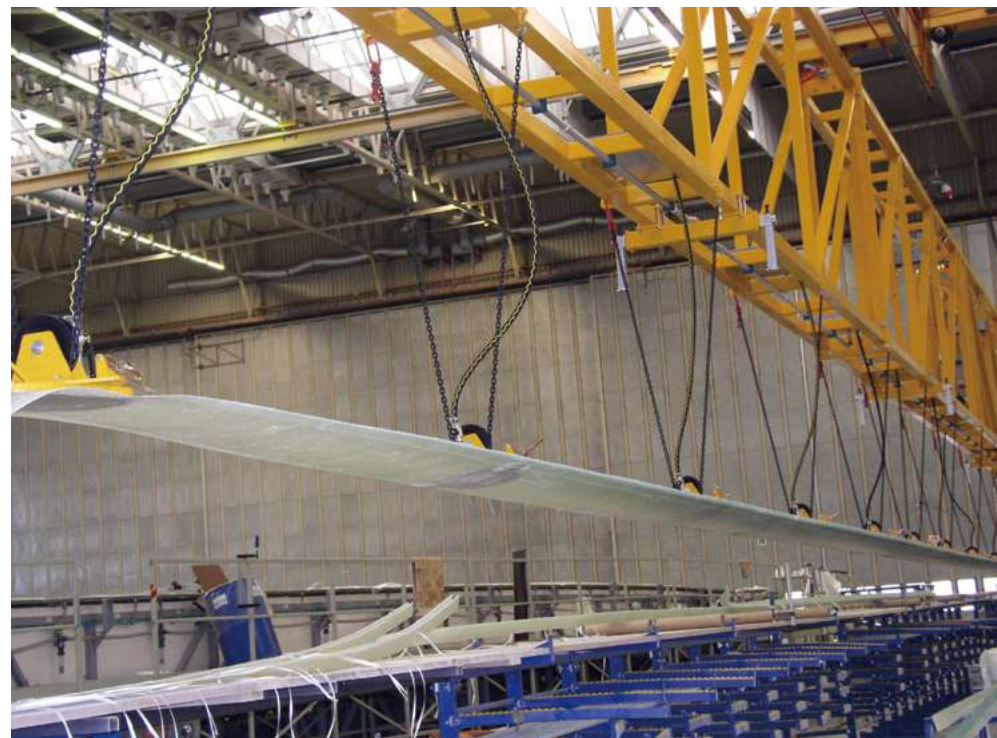
## VACULIFT RED LINE Used for Coil & Reel





## VACULIFT RED LINE Used in Wind Power Generation

SMARTECO  
Precision Saw and Machine





## VACULIFT RED LINE Used in Pipe Industry

SMARTECO  
Precision Saw and Machine





## VACULIFT RED LINE Used in Automotive Industry

SMARTECO  
Precision Saw and Machine





## VACULIFT RED LINE Used in Automotive Industry

SMARTECO  
Precision Saw and Machine





## VACULIFT RED LINE Used in Aerospace Industry

**SMARTECO**  
Precision Saw and Machine





# VACULIFT RED LINE TubeLifter Applications

SMARTECO  
Precision Saw and Machine





# VACULIFT RED LINE TubeLifter Applications

SMARTECO  
Precision Saw and Machine





## VACULIFT RED LINE Used in Railway Industry

**SMARTECO**  
Precision Saw and Machine





# VACULIFT RED LINE

## Used in Building & Construction Industry

SMARTECO  
Precision Saw and Machine

USA, California Cupertino





# VACULIFT RED LINE

## World's Largest VACULIFT

SMARTECO  
Precision Saw and Machine

Installed in Belgium



60M Length





# VACULIFT RED LINE

## Further Applications (USA NASA's Manufacturing Line)

SMARTECO  
Precision Saw and Machine

NASA, USA





## VACULIFT RED LINE Further Applications

SMARTECO  
Precision Saw and Machine





## VACULIFT GOLD LINE Battery Charged Lifting

Houston, Texas

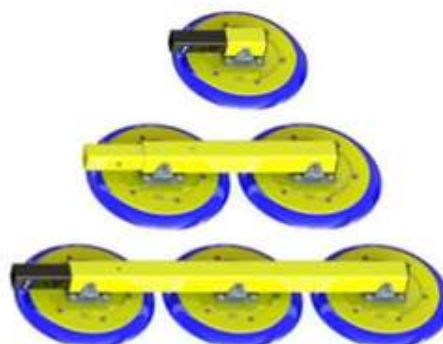


London, UK



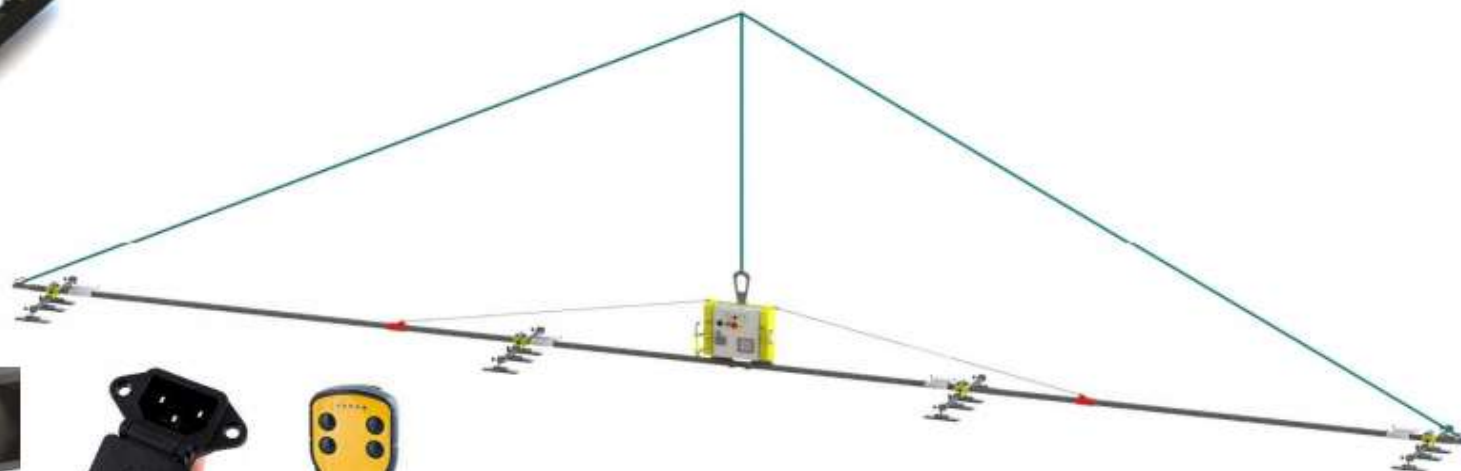
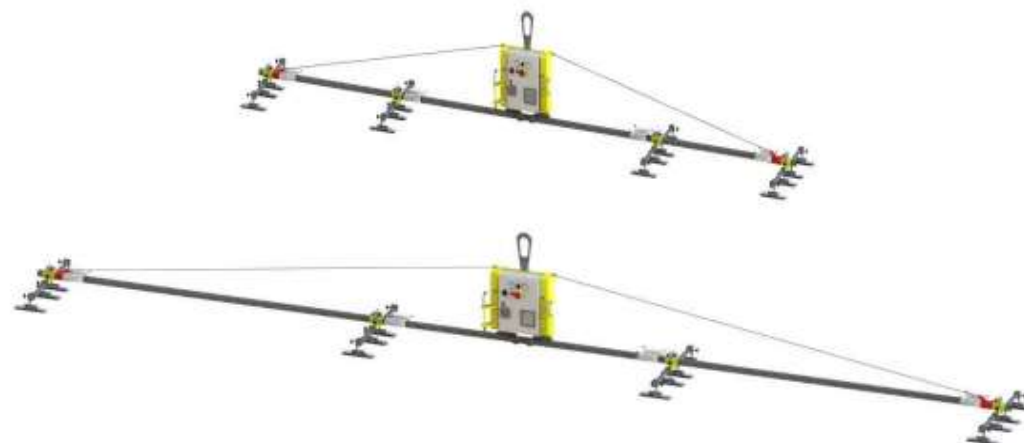
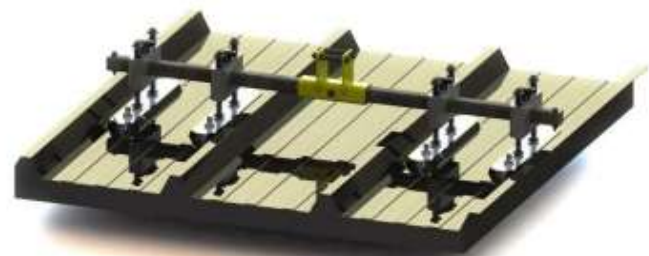


## VACULIFT GOLD LINE Used for Glass Handling





## VACULIFT GOLD LINE Used for Panel Handling





## VACULIFT GOLD LINE Battery Solution

**SMARTECO**  
Precision Saw and Machine





## VACULIFT GOLD LINE Used for Outdoor Lifting





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Precision Saw and Machine