

TAWI Multifunctional lifter



Evolving automation

Ergonomics & productivity combined



TAWI
Smart lifting

neuvano

Ergonomic & economic vacuum lifting equipment

Good ergonomics is an effective way of making your business more productive and profitable. It's about organizing work in a way that contributes to healthy employees while maintaining efficient productivity.



Ergonomic



User friendly

Swedish quality. Global solutions.

TAWI lifting equipment has been facilitating ergonomic material handling for decades, and by customizing our solutions to your specific needs we can guarantee that they will help lift your business.

TAWI vacuum lifters are robust and reliable tools that make lifting easy, for everyone. No matter who you are or what you need to lift, TAWI vacuum lifters will make lifting easy and efficient.



“With TAWI vacuum lifters, we lower the risk of work-related injuries happening in the long run. our employees are pleased that we have found a solution that considers their health and well-being”

Henning Frederiksen
Project Manager, RPC Superfos, Denmark



Anyone can lift just about anything



Large and heavy goods can easily be handled by one single person. Boosting efficiency and lowering costs.



Safe and reliable lifting in all possible environments and working conditions.



A wide selection of handles and suction feet helps customize the lifter to meet your specific needs.

Handout

TAWI Multifunctional lifter



Increasing productivity and ergonomics at the same time is a challenge for more and more businesses. We help you achieve this.

TAWI Multifunctional lifter - helps you save time and resources

The challenge - increasing productivity and ergonomics at the same time is becoming more and more important for many companies. Our focus is to help you achieve this.

The solution - using TAWI Multifunctional lifters means that large and heavy goods can be handled by one single person, saving valuable time and resources for your business. Our multifunctional vacuum lifter helps you achieve a powerful combination of efficiency, ergonomics and economy that will boost your business. We adapt our products to meet your requirements.

“TAWI has helped us not just with standard lifting equipment, but with customized solutions adjusted to our specific needs”

Björn Skoglund
Production leader, LG Collection, Sweden

Speed up the manual handling of goods with vacuum

What do you need to lift? Choose between 12 models for lifting sacks, boxes, sheets, panels, crates, drums and much more, **up to 270 kg**.

TAWI Multifunctional lifter is a safe and reliable tool commonly used in manufacturing and mechanical processing, warehouses and distribution terminals.

Extremely smooth and quick operation is accomplished by using the same handle to lift, lower and release the load, and by using the vacuum to hold and lift the load.

Anyone can handle goods in all sizes, up to 270 kg, with practically no effort at all.


Ergonomic


User friendly

Achieve smart lifting as a two-man job can often be carried out by one operator with TAWI Multifunctional lifter.

No heavy lifting and no uncomfortable strain on the body means no more aching shoulders, backs, and knees.

Stainless steel models, ideal for industries with sanitary requirements, are available on request. The lift system can also be adapted for **ATEX**-regulated facilities.



Lifting, moving and placing large wooden sheets with our multifunctional lifter is safe and reliable.



Lifting above shoulder height is effortless and easy with our vacuum lifter.

TAWI Multifunctional lifter - standard models



Model	VM30	VM40	VM50	VM60	VM80	VM100	VM120	VM180	VM270
Lifting capacity (kg)	30	40	50	60	80	100	120	180	270
Max length lift tube (mm)	2600	2600	2600	4000	4000	2500	4000	2500	2500
Lift tube ø (mm)	100	120	140	160	180	200	230	250	300
Stroke (mm)	1800/2600	1800/2600	1800/2600	1800/2600	1800/2600	1700/2400	1700/2400	1500/1800	1500/1800
Lifting speed (m/s)	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
Pump	Medium	Medium	Medium	Large	Large	Large	Large	Large	Large

*VM30-VM120 are available in stainless steel, ideal for industries with high sanitary requirements. VM180 and VM270 are available in stainless steel with standard hose.

Our vacuum pumps are designed with three key features in mind; performance, reliability and sustainability. The direct driven pump minimizes friction and unnecessary wear, ensuring continuous operations for your vacuum lifters.

TAWI vacuum pumps are available in two models; medium and large. The medium model is recommended for VM30-50, the large model for VM60-270.



We recommend mounting your TAWI Multifunctional lifter in our own range of Crane Systems. The jib arm or bridge crane suspends the lift tube and is available in different lengths and capacities.

Contact your TAWI representative for more information about our overhead crane systems and jib cranes.

Handles



Fixed handle



Standard handle



Flex handle



Special handle

Wide selection of handles

Ensures an ergonomic lifting solution for every operator. Choose between a fixed or flex handle, a standard model or a custom made handle designed for your needs.

Suction feet



Standard handle with suction foot for sacks



Hook tool and fixed handle



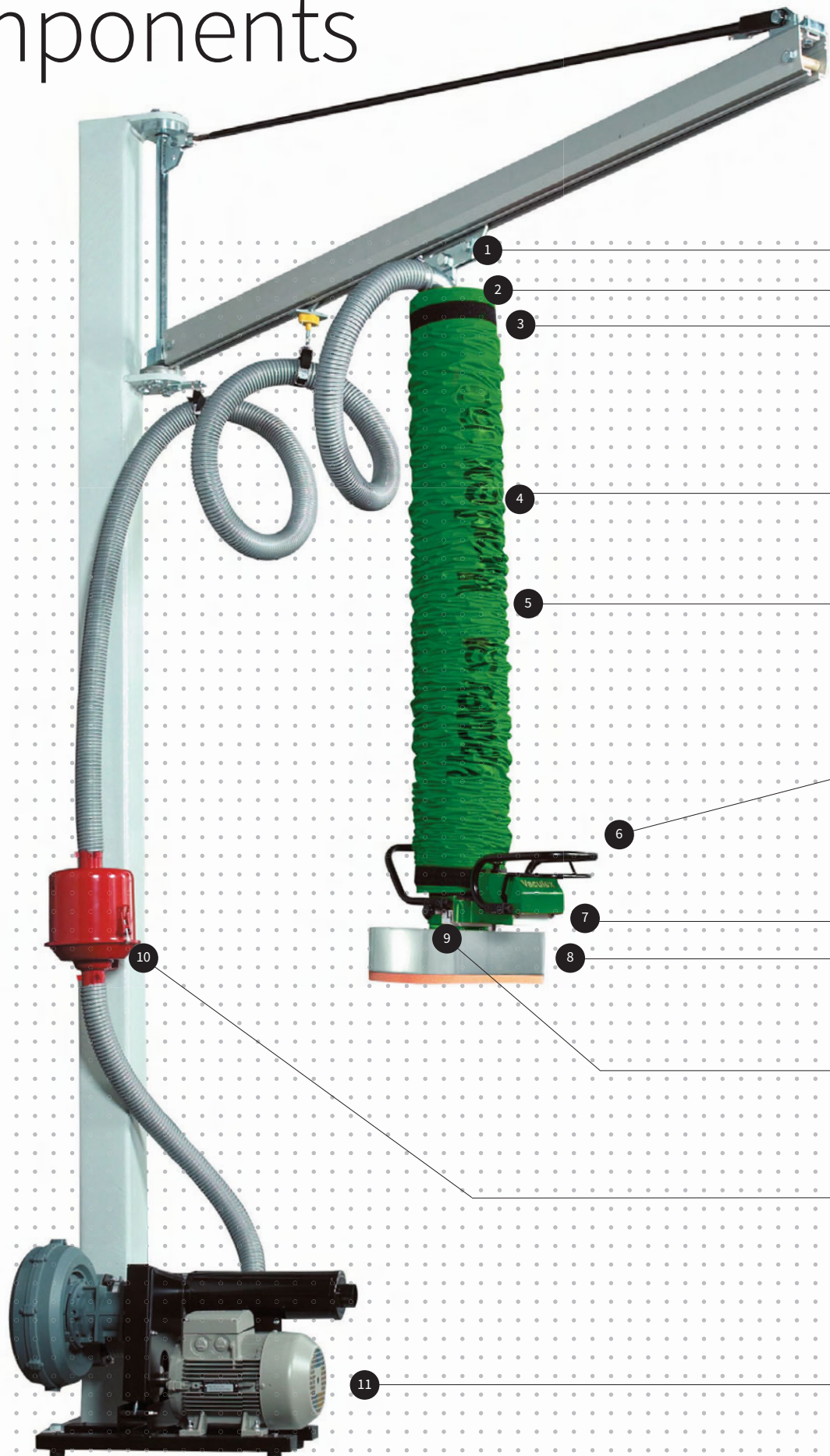
Flex handle with suction tool for side lifting



Standard and customized suction feet

A broad selection of standard suction feet and our ability to build customized suction feet guarantees that we can help you lift whatever you need to lift. Grip your load from the top or from the side depending on what suits your operations best.

Components



1. Suspension eye

Available in various models, to suit most of the jib or bridge cranes on the market.

2. Non-return top valve to avoid injuries

The Non-return valve ensures that in the event of a power failure such as a pump breakdown, the lift unit will slowly descend to the floor, which minimizes personal injury and material damage.

3. Top and bottom screw connection of the lift tube

Our solution for an optimal suspension of the lift tube to the handle and top swivel, respectively.

4. Highest quality lift tube

Our lift tubes, designed and manufactured to our own specifications, are of the highest quality. Long lasting and therefore supplied with a one year warranty.

5. Effective protective cover sock

Our standard protective stocking is excellent protection against external abrasion of the lift tube.

6. Control unit with sound insulation and ergonomic handles

Vaculex® MLand TP is one-hand operated and Vaculex® VL is two-hand operated

7. Spring-balanced valve control system

The load always returns to the set height level, irrespective of where the operator leaves the control unit or in case of the control unit being accidentally handled.

8. Suction foot with optimal safety

The tube lifters do not drop a load that they can lift and the lift tube will not lift if the load is too heavy. All standard suction feet are size-adapted to the lift tube that is being used, with a safety factor of at least 2.5. This means that the goods are attached to the foot with a suction force 2.5 times greater than the lifting capacity of the lift tube.

9. Bottom protection valve for optimal safety

In case a load should break, the valve in the bottom of the vacuum head minimizes the risk of injury or damage, by opening instantaneously and thus decreasing the lifting force to a minimum.

10. Efficient air filter

Our standard filter canister increases the lifetime of the vacuum pump. As an option, an extra large air filter is available for dusty environments.

11. Vacuum pump - electric or pneumatic

Various sizes of electric or pneumatic vacuum pumps are available. Vaculex® ML is equipped with a top swivel integrated ejector pump. The electric vacuum pumps are available equipped with a sound reduction hood

TAWI VacuCobra standard models

Model	VC20	VC35	VC40	VC50
Lifting capacity	20 kg	35 kg	40 kg	50 kg
Max length lift tube	2 100 mm	2 100 mm	2 100 mm	2 100 mm
Lift tube ø	80 mm	100 mm	120 mm	140 mm
Stroke	1 680 mm	1 6150 mm	1 615 mm	1 590 mm
Lifting speed	0-1 m/s	0-1 m/s	0-1 m/s	0-1 m/s



High-speed manual handling has never been easier. Grip and lift quick and easy with just one hand, powered by reliable vacuum technology.

TAWI VacuCobra is conveniently mounted in a TAWI Jib Crane or for larger working areas, in a TAWI Overhead Bridge Crane. The air hose is held out of the way so that you can work efficiently without any disturbance. Your local TAWI representative will be happy to guide you to the best mounting solution for your lifter.

TAWI VacuCobra options

All TAWI VacuCobra models are available in stainless steel execution, a safe choice when lifting in environments with high demands on cleanliness. The stainless steel models are often used in food production, safely handling blocks of cheese or frozen meat, milk cartons, wine boxes and more. The suction feet can be adapted to meet your specific requirements, ensuring that the lifter is ideal for gripping your goods, no matter what they are.



VC35 stainless steel

VC35 with standard suction head

VC35 with adapter

TAWI VacuCobra

High speed handling

- High-speed box handling
- Grip boxes from the top or from the side
- One-handed lifting with user-friendly joystick handle
- Suitable for left- and right-handed users



Time-efficient

- Easily pick up load with one hand
- Quick and easy release of load



Ergonomic and user-friendly

- Comfortable joystick handle for easy operations
- Saves workers from straining repetitive lifting
- Rotate the load without rotating the lifter and handle goods with great accuracy
- Ergonomic design ensures a safe and ergonomic working position



Handling boxes and more

- Gripping load with vacuum for a safe grip that does not damage the load
- Various suction tools allow quick handling of cartons, pails, sacks and more



A reliable foundation for efficient lifting

A crane system built for your needs, integrated in your workflow, will help ensure efficient lifting and productive processes. TAWI Overhead Bridge Cranes and TAWI Jib Cranes give you the freedom to lift and move goods exactly where you need them.

TAWI crane systems offer flexible solutions for mounting lifters so that you can use them wherever you need. Steel or aluminium profiles can be mounted in the ceiling or on floor pillars, built to match your facilities and meet your every need. No matter how your facilities are constructed, we will

build an overhead crane system that is ideal for your conditions.

With a selection of standard jib cranes, and the ability to modify cranes to customer requests, we can always find an ideal solution for your business needs.

TAWI cranes are reliable systems that will help keep your operations running for decades. The profiles are produced from high-quality steel, finished off with a protective coating. Parts are merged together seamlessly, making sure whatever you suspend in the system will run smoothly for many years to come.



TAWI crane systems

Many options

- Aluminium or steel profiles
- Mounted in ceiling or on floor pillars
- Suspended directly in ceiling or in roof beams
- Move lifters by manual power or remote control
- Portable jib cranes for greater flexibility
- Overbraced or underbraced depending on what suits your facilities



Customization

- TAWI crane systems are always built on customer request
- Adapted to your facilities and requirements
- Easily integrated in your workflow
- Delivered in TAWI blue coating, or the colour of your choice

Complete range of systems

- Single and double girder cranes
- Low built system for low headroom areas
- Stainless steel systems for easy cleaning
- Jib cranes mounted on wall or pillar
- Portable options available



Powerful suspension

- Up to 1 500 kg lifting capacity
- Up to 8 000 mm between suspension points
- Provides great range of motion when lifting with vacuum lifters or hoists

Time-efficient and ergonomic manual handling

Good ergonomics is an effective way of making your business more productive and profitable. TAWI High frequency lifter makes lifting comfortable, safe, and very time-efficient.



Ergonomic



User friendly



Reduce load on body by 80%

Swedish quality. Global solutions.

TAWI lifting equipment has been facilitating ergonomic material handling for decades, and by customizing our solutions to your specific needs we can guarantee that they will help lift your business.

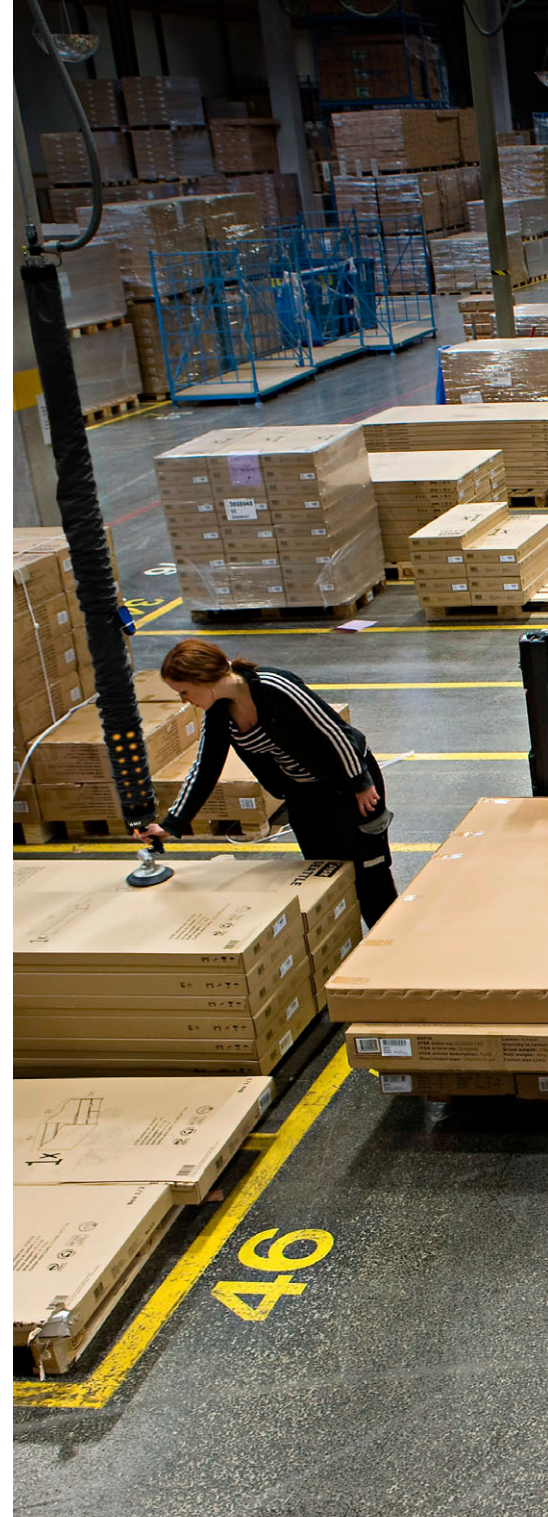
TAWI vacuum lifters are robust and reliable tools that make lifting easy, for everyone. No matter who you are or what you need to lift, TAWI vacuum lifters will make lifting easy and efficient.



“The lifter is a real benefit for everyone. The solution reduces the strain on the body, is easy to use and works with any bag”

Sam Streak

Baggage handler/team leader, ASIG at Heathrow Airport, England



Speed up lifting of just about anything



Achieve high-speed box handling with our most rapid lifter. Grip and lift with just one hand.

Handout



Large and heavy goods can easily be handled by one single person. Boosting efficiency and lowering costs.

TAWI High frequency lifter



Lift a great variety of goods of different shape, size and weight.



TAWI High frequency lifter

High-speed lifting

Handling large and heavy boxes can easily be done by one single person with TAWI vacuum lifters.

TAWI High frequency lifter - speed up your manual handling of goods

The challenge - although many operations today can be automated, some manual handling of goods is still necessary in many industries. Speeding up manual handling while also improving employee health and safety is a challenge for many businesses.

The solution - with TAWI High Frequency lifter you can speed up your manual handling of goods while also increasing employee health and satisfaction. With this high-speed lifter operators will be capable of handling loads more time-efficiently as they will be able to keep an even pace throughout the whole day, Every day.

“It’s nice to be relieved from the heavy lifting, and you feel such a difference at the end of the day”


Henrik Westerdahl
Store man, Systembolaget, Sweden

Quick, safe and flexible lifting

High-speed lifting has never been easier. Grip and lift boxes, baggage and other goods quickly and safely with just one hand.

 Ergonomic

 User friendly

 Reduce load on body by 80%

TAWI High frequency lifter is an ergonomic and flexible lifting solution to speed up manual handling for loads up to 65 kg.

The user friendly design and functionality increases productivity and reduces the risk of injury.

The lifter is versatile and can handle a great variety of goods of different size, shape and weight.

Lifting carton boxes and handling baggage are the most common application areas for the high frequency lifter, but other industries, such as food industry clients, use the lifter for handling various loads such as blocks of cheese or meat, milk cartons or wine boxes.

Key features

- **High-frequency lifting**
- **One-handed grip** with user friendly joystick handle
- **Customized suction feet** to suit your goods
- **Grip from the top** or from the side
- **Rotate loads 360 degrees**
- **Lift up to 65 kg** without physical effort



Heavy baggage handling is easy and effortless with our high frequency vacuum lifter.

The baggage can be rotated 360 degrees before it is placed and the angle adapter allows the operator to angle the suction foot at 90 degrees to pick up bags from the side.



TAWI
Smart lifting



One-handed grip
with user friendly
joystick handle.

Main benefits

- 1 **Ergonomic** - minimize the strain on the operators.
- 2 **Economic** - reduce injuries, sick leave and staff turnover.
- 3 **Efficient** - increase productivity and reduce costs.
- 4 **End user satisfaction** - lighter work and user friendly.

We recommend mounting your TAWI High frequency lifter in our own range of crane systems. The jib arm or bridge crane suspends the lift tube and is available in different lengths and capacities.

TAWI High frequency lifter - standard models

Model	TP35	TP45	TP55	TP65
Lifting capacity (kg/lbs))	35/77	45/99	55/121	65/143
Max length lift tube (mm)	3000	3000	3000	3000
Lift tube ø (mm)	80	100	120	140
Stroke vacuum lifter (mm)	1840	1720	1720	1720
Lifting speed (m/s)	0-1	0-1	0-1	0-1

Satisfied customers



Italmaster invests in the ergonomic benefits of a **TAWI** VM50 vacuum lifting device with Jib Crane



Plascobel bvba invests in the well-being and health of its co-workers. A while ago, **Pneuvano** successfully installed a TAWI lifting device for in their packaging division.

This application also has a modified, longer operable vacuum gripper to allow the boxes to be stacked higher on the pallet.
A great device!

ERGONOMIC BENEFITS OF A **TAWI** VM50 VACUUM LIFTING DEVICE WITH JIB CRANE

ERGONOMIC BENEFITS OF A **TAWI** VM50 VACUUM LIFTING DEVICE WITH JIB CRANE.

LOCATION:



Italmaster
masters in colors

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ERGONOMIC BENEFITS OF A **TAWI** VM50 VACUUM LIFTING DEVICE WITH JIB CRANE.

HEAVY LIFTING RESULTS IN BACK PAIN.

YOUR TAWI PARTNER:

neuvano
TAWI is a PIAB brand

ERGONOMIC BENEFITS OF A **TAWI** VM50 VACUUM LIFTING DEVICE WITH JIB CRANE.



LOCATION:



Italmaster
masters in colors

YOUR TAWI PARTNER:

neuvano
TAWI is a PIAB brand

1:00 / 1:19

Smart solutions for the automated world™



TAWI Multifunctional lifter

TEST CENTER
IN BELGIUM

Ergonomics & productivity combined



Protéma



Container Unloader



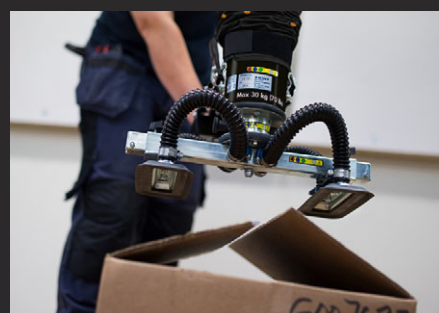
Mobile Order Picker



Vaculifter Barrels



Vaculifter Sacks



Vaculifter Boxes

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Evolving automation