

**We strive  
to offer our  
customers  
compact heavy  
lifting solutions  
with true  
Plug & Play  
functionality**

# Cobot Lift

**Boosting**  
Collaborative robots can lift up to 45kg

**Collaborative**  
Ensures safety and well-being of labor force

**Powerful**  
Vacuum to grip heavy non-standardized products

**Fast**  
Installation enables quick return of investment

**Flexible**  
Ideal for palletizing and pick & place tasks

**Compact**  
You don't have to build a new factory to automate



**ODENSE ROBOTICS** WHERE ROBOT HEROES GROW  
Part of Business Hub Fyn

# Cobot Lift

Cobot Lift is a born global company founded in Slagelse, Denmark in 2018 by two ambitious entrepreneurs and innovators Henrik Elm Gulløv and Flemming Bischoff Truelsen. Being dedicated to make the world a better place with collaborative robots, Cobot Lift's DNA is characterized by a clear vision, continuous innovation and big passion for automation.

Nowadays, Cobot Lift's product portfolio is represented by mobile and stationary cobot lifts, which are successfully used in different production environments within food and agriculture, automotive and subcontractors, furniture and equipment, electronics and technology, metal and machining, plastic and polymers, pharmaceuticals and chemistry, scientific and research industries for assembly, material handling and other operations. Fully equipped with innovative technology and easy-to-use features, Cobot Lift's robots are designed to facilitate automation of any production plant and currently are breaking a new ground in the era of advanced manufacturing by lifting up to 45 kg.

In 2019, Cobot Lift has launched CL+ Solutions Program designed to provide customers with unique values and personalized customer experience. Cobot Lift's cutting-edge technology combines the strength of a vacuum tube lift with the intelligence of a collaborative robot by boosting the power of cobot while keeping the solution collaborative. Vacuum technology has been around since the 70's and it is a special characteristic feature of Cobot Lift to combine things in a new way of creating innovative solutions and helping customers to achieve full automation.

Being a born global company, Cobot Lift has established an extensive network of distributors in more than 19 countries like Germany, Norway, Sweden, Netherlands, Luxembourg, Belgium, Poland, Finland, Belarus, Spain, Denmark and other countries. With a global presence across European, Asian and American regions and acquired world recognition, Cobot Lift has been nominated as the Top 10 Robotics Solution Providers in 2020 by CIO Applications Europe. Today, Cobot Lift is an honored member of the biggest European robot cluster and start-up hub Odense Robotics and a certified UR+ partner of a global collaborative robots market leader Universal Robots.

Nowadays, within company's core values, Cobot Lift as a value driven company is continuously pushing boundaries of what's possible in the robotics world through the promotion of passion, courage, honesty, responsibility, innovation and integrity. Currently, within company's recently adopted corporate social responsibility policy, Cobot Lift is successfully integrating quality, safety and sustainability into every aspect of its business performance in order to engineer a better future for a global society and planet.

Henrik Elm Gulløv has been appointed as the Chief Executive Officer of Cobot Lift in 2020 and currently is responsible for leading company through an explosive and dynamic growth and also driving adaptation of easy-to-use, safe and cost efficient collaborative robots across global market.

**"Cobot Lift technology combines power, intelligence and flexibility. Quick installation with a small footprint enables companies to harvest this opportunity as a low hanging fruit. We are looking forward to make a great contribution to solve today's Covid-19 challenges and labor shortage and at the same time realize a full potential of Cobot Lift's innovative cutting-edge technology"**

Henrik Elm Gulløv Co-Founder and CEO of Cobot Lift ApS



# Stationary Cobot Lift

**Stationary Cobot Lift is like an exoskeleton for Cobots mounted on the floor. It boosts cobots' payload from 10 to 45 kg and is ideal for a collaborative palletizing or pick & place tasks.**

Stationary Cobot Lift enables UR10 to lift up to 45kg collaboratively. It is easy to setup and use and also comes with a complete package - Cobot Lift tool including URcap software, steel crane, vacuum tube and vacuum pump.

Steel crane can be fixed on the floor and has a very small footprint. Often no fence is required for this collaborative solution and workers can work alongside.

This solution is delivered with an arm for UR10 to be mounted on the steel crane. Can be configured for double palletizing. End of arm tool does not have to be vacuum based, it can also be mechanic, electric or magnetic anything you require to pick up a product.



# Mobile Cobot Lift

**Integrates robot, controller, teach pendant, vacuum tube and pump and also crane in a single unit for maximum flexibility and mobility.**

Standardized Mobile Cobot Lift is compact, quick to install and easy to configure. It increases lifting capacity of Universal Robots' UR10 from 10 kg to 45 kg.

The use of a collaborative robot significantly reduces the footprint by more than 50% compared to cells with industrial robots. In many cases, a fence system or cage is not needed, and operators can safely work side-by-side

with the robot. This solution permits continuous operations and operator can easily remove one complete pallet without stopping a collaborative robot. Given solution can be moved with a lifter.

End of arm tool does not have to be vacuum based, it can also be mechanic, electric or magnetic - anything you require to pick up a product. Smart design contributes to a fast and easy installation. Cobot Lift URcap application has an intuitive interface that ensures an easy layer configuration without any need for complicated robot programming.



# Cobot Lift Tool



## Cobot Lift Tool

Patented Cobot Lift tool includes software for Cobot enabling it to run collaboratively. This item does not include vacuum pump or cobot.

# Cobot Lift Accessories



## End Effector Box

Adjustable double feet suction foot for cartons/cardboard boxes. Adjustable and hinged feet. 85 x 200mm (x2). Yoke 400 mm.



## Quick Connector for End Effector

Fast coupling - upper and lower part. Enables manual changing of end effectors within seconds.



## End Effector Sack

Oval suction foot for sacks and bags. 190 x 310mm.



## End Effector Bucket

Circular suction foot for buckets, drums, kegs and bottles. Diameter 200mm.



## 1 Meter Extra Column

If you need to increase the lifting height of the Cobot Lift solution, it is possible to add additional column pieces.



## Cobot Lift Booster Valve

The booster valve momentarily increases the vacuum, when touching the product. Highly recommended for when you lift sacks or other material, where it is challenging to create a complete vacuum seal.

## Long Stroke Vacuum Tube

The long stroked vacuum tube is 4 meters long. One would need also to purchase an extra 1 meters column to have a right combination.

# Technical Specifications

## Stationary / Mobile Cobot Lift

Technical Details	Stationary Cobot Lift	Mobile Cobot Lift
<b>Payload</b>	5-45kg	
<b>Reach</b>	Up to 1400 mm	
<b>Power Supply</b>	400V/16 Amp 230v/16 Amp	
<b>Air Supply</b>	5-8 bar	
<b>Stacking Height</b>	Maximum 1.600 mm (depending on product and reach)	
<b>Robot Position Height</b>	The arm on which the Cobot is placed can be adjusted from 700-1.400 mm, extra crane module of 0.5 meter length is included for more flexibility	Approximately 120 cm
<b>Dimensions – complete solution with Cobot Lift, vacuum tube lift, crane and UR arm</b>	Footprint of crane 40x40 cm Standard height 3,5 meter	Footprint (80x100 cm) Height 3,2 meter
<b>Certifications and Standards</b>	Declaration of Incorporation Directive 2006/42 EC, Annex II B	
<b>Collaborative Robot, Compatibility</b>	UR10 CB3 or e-series	
<b>Programming</b>	Cobot Lift URcap in Polyscope	
<b>Vacuum Tube Lift</b>	120 mm vacuum tube and 3 kW vacuum pump	
<b>Accessories</b>	Suction foot for sacks Suction cup for boxes and buckets Quick connector for end effector Silencer box for vacuum pump Cobot Lift rotating head Cobot Lift booster valve Long stroked vacuum tube 1-meter extra column	Suction foot for sacks Suction cup for boxes and buckets Quick connector for end effector Cobot Lift rotating head Cobot Lift booster valve Long stroked vacuum tube 1-meter extra column
<b>End Arm Tool and Effector</b>	Can be combined with any kind of gripper and also non-vacuum gripper (without brackets)	

## Stationary Cobot Lift

Footprint  
40x40cm



## Mobile Cobot Lift

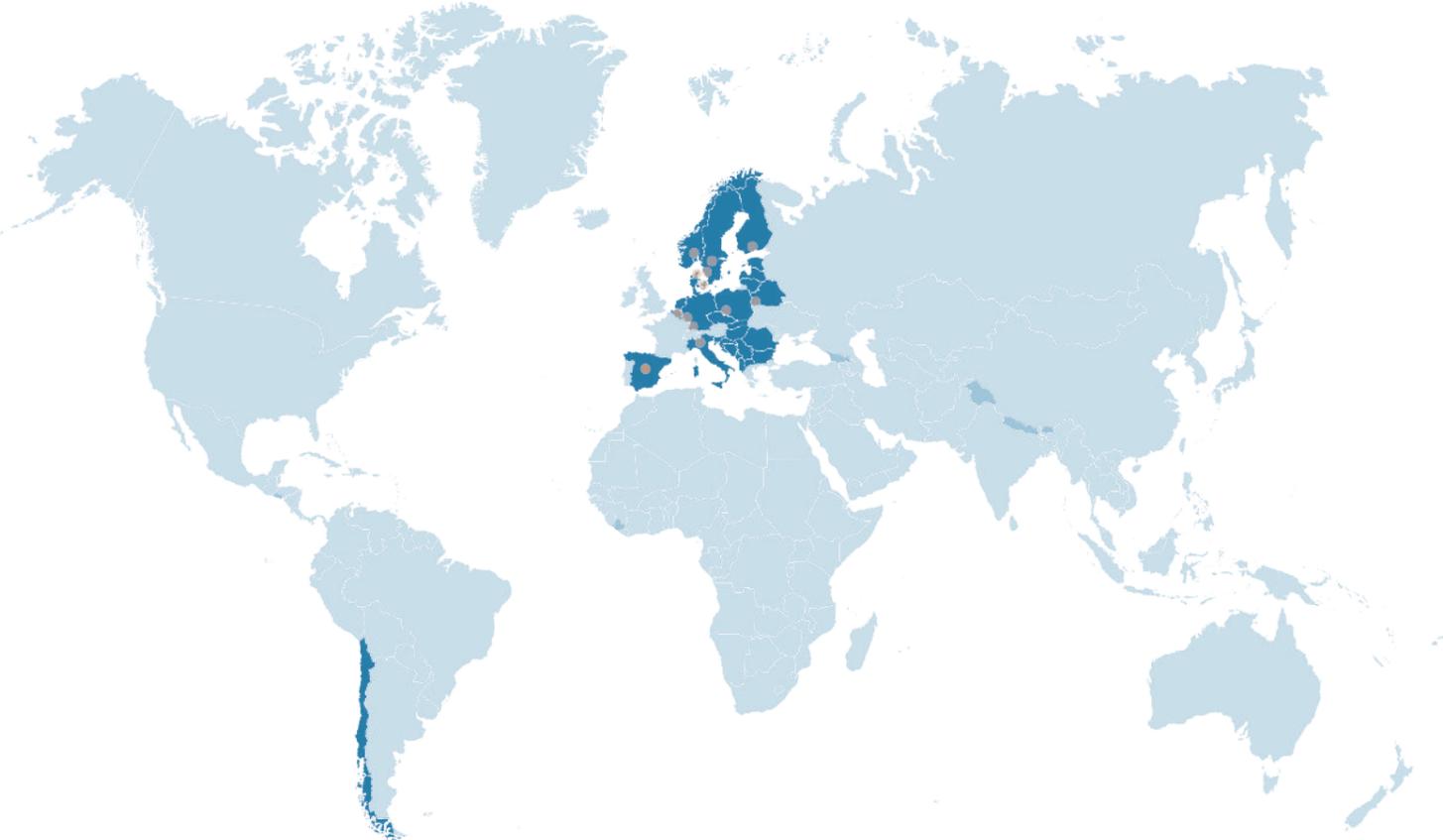
Footprint  
80x100cm



\* UR Arm is not included in the Cobot Lift price

# Cobot Lift Distributors

 Distributor network  
coverage



## Industrial Cobotics (Benelux)

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**“Cobot Lift is all about  
safety and reliability of  
your workers”**

*Henrik Elm Gullov Co-Founder  
and CEO of Cobot Lift ApS*

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