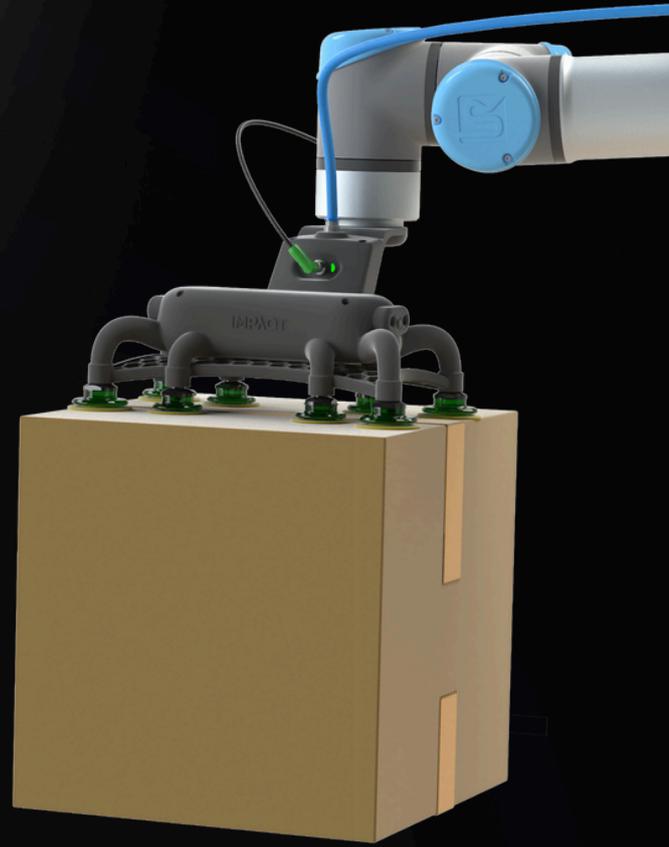


vaQgrip®  
Patent Pending

Universal Plug & Play  
Vacuum Grippers

Vacuum. Plug & Play.



Any Robot | Any Vacuum Cup

**IMPACT**  
ROBOTICS



## Vacuum Grippers

Vacuum grippers are one of the most widely used end-of-arm tooling solutions in automation. They rely on suction force to lift, move, and place products, making them ideal for handling cartons, boxes, sheets, and other bulk items. Their versatility has made them a common choice in packaging, logistics, and manufacturing environments where speed and reliability are essential.

Despite their popularity, traditional vacuum grippers come with challenges. Many designs are heavy and bulky, limiting robot payload capacity and reach. They often require external tubing, fittings, and complex setups that add clutter to the robotic cell. Integration typically demands engineering time and customization, slowing down deployment and increasing cost.

As collaborative and industrial robots become more accessible, the need for lightweight, plug & play vacuum grippers has grown. Manufacturers and system integrators require solutions that are fast to install, easy to adapt, and proven to perform in real production environments.

## Introducing vaQgrip

vaQgrip is a family of Plug & Play vacuum grippers designed for palletizing and material handling. Its lightweight and compact form simplifies deployment by eliminating external tubing, reducing clutter, and cutting installation time to just minutes.

The series brings together pre-engineered grippers and a modular platform under one name, making vacuum automation practical, scalable, and accessible.

All vaQgrip products share the same design philosophy: clean integration, safe operation, and reliable vacuum gripping for industrial use.

## vaQgrip VQ10

The VQ10 is the lightest model in the series, weighing just 1 kilogram while supporting payloads of 10 kilograms. With its dual-channel vacuum and an exceptional weight-to-payload ratio, it is suited for palletizing setups and collaborative robot cells. A built-in offset extends reach on robots such as the UR10, UR12, and UR16, improving access to higher stacks and wider pallet zones.

## vaQgrip VQ20

The VQ20 extends the performance of the series to higher payloads, supporting 20 kilograms with a gripper weight of only 1200 grams. Its dual-channel vacuum ensures secure handling in demanding palletizing and multi-carton picking applications, while its impressive weight-to-payload ratio makes it both strong and efficient. The VQ20 is built for high-volume, repeatable applications where throughput and reliability are critical.

## vaQgrip Click

vaQgrip Click is the modular member of the family, designed for environments where flexibility is essential. Its twist-to-connect architecture and internal vacuum routing allow layouts to be built, adapted, and scaled without tools or tubing. This makes it particularly valuable for multi-SKU production, prototyping, or projects where product or layout changes are frequent. By combining modularity with plug & play design, vaQgrip Click gives manufacturers and system integrators the agility to adapt without the complexity of traditional vacuum grippers.

Configure your  
vaQgrip Click today.



## Advantages

vaQgrip changes the equation for vacuum gripping by combining low weight with high payload capacity. The VQ10 and VQ20 deliver exceptional weight-to-payload ratios of up to sixteen times their own weight. This allows robots to handle heavier cartons and cases without sacrificing reach or speed. The result is greater efficiency, more usable robot capacity, and improved overall cell performance.

Safety and integration are built into the design. Smooth edges and concealed vacuum channels reduce collision risks, while internal routing creates a cleaner, more organized robotic cell. Maintenance is simplified because there are fewer external parts to manage, troubleshoot, or replace.

With vaQgrip Click, the series also introduces a level of flexibility not possible with conventional grippers. Modular, tool-free assembly allows layouts to be reconfigured directly on the shop floor, adapting to new products or multi-SKU handling without costly rework.

By uniting strength, safety, and scalability in one family, vaQgrip provides clear advantages over traditional vacuum tooling and makes advanced palletizing solutions practical for a wider range of manufacturers.

**vaQgrip**®  
Patent Pending



### Lightweight Design

Maximizes robot payload capacity and improves cell performance.

### Clean Integration

Internal vacuum routing eliminates external tubing and clutter.

### Plug & Play Simplicity

Single compressed air inlet and fast setup reduce installation to minutes.

### Safe by Design

Smooth edges and concealed channels improve safety in collaborative use.

### Benefits - Integrators

- Faster deployment with less engineering effort
- Simplified procurement with standardized components
- Cleaner, more professional robotic cells
- Reduced project risk with pre-engineered, proven solutions

### Benefits - End Users

- Reliable palletizing and material handling with less downtime
- Safer operation through ergonomic and collision-friendly design
- Greater productivity from faster setup and changeovers
- Lower total cost of ownership through reduced maintenance



Low weight, high payload

Install in Minutes

Safe by design

Unlimited SKU

Field Proven

Fixed or modular options



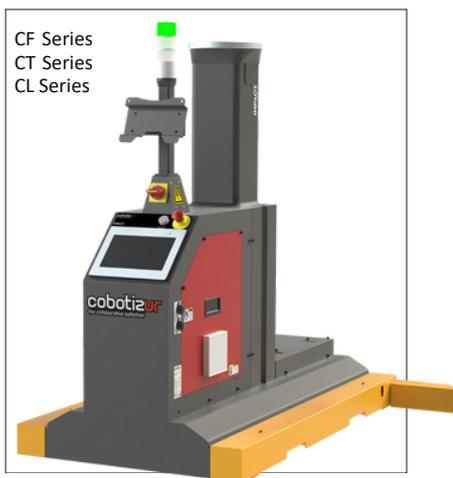
## Specifications

	vaQgrip VQ10	vaQgrip VQ20
Operating medium	Compressed air	
Weight	1 kg / 2.2 lbs.	1.2 kg / 2.64 lbs.
Dimensions (L x W x H)	313 x 299 x 162 mm	290 x 125 x 176.8 mm
Payload*	10 kg	20 kg
Horizontal extension	170 mm	0 mm
Vacuum flow rate (@ 5 bar feed pressure)	384 slpm / 13.56 scfm	
Air consumption (@ 5 bar feed pressure)	180 slpm / 6.35 scfm	
Maximum vacuum pressure	-700 mbar / -10.15 psi	
Maximum operating pressure	6 bar / 87 psi	
I/O Connector	M8 8pin female connector	
Air inlet	Ø 10 tube quick connector	
Operational voltage	24V DC	
Ambient temperature range	+5°C to 50°C / 41°F to 122°F	
Noise level	< 50 dB	
Ingress Protection	IP54	

\* VQ10 and VQ20 can achieve increased payloads up to 11.5 kg and 23.5 kg respectively under controlled application conditions.

## Product Lineup

**cobotizur**  
the collaborative palletizer  
The Cobot Palletizing Platform



**vaQgrip® Click**  
Patent Pending  
Modular Vacuum Gripper System



**pneumagiQ®**  
Patented  
Universal Pneumatic EOAT Interface



**casemagiQ®**  
Patent Pending  
Universal Case Forming EOAT



**pneuvaQ®**  
Patent Pending  
Integrated Pneumatic + Vacuum Interface



**Qik-kit®**  
Cable Management System

**Qik-mount®**  
Cobot Peripherals

## Robot Compatibility

**ABB**

**DOOSAN**

**ELITE ROBOT**

**JAKA**

**Kawasaki Robotics**

**KUKA**

**OMRON**

**TM ROBOT**

**UNIVERSAL ROBOTS**

**YASKAWA**

and more...



reddot winner 2024



reddot winner 2023  
innovative product



reddot winner 2023



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ROBOTICS

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