

# piCOBOT®

Universal Robots certified vacuum gripper unit.  
Small, powerful and ready to collaborate with  
human and cobot workers.



Piab's piCOBOT® mounted on a UR collaborative robot designed to act as a flexible co-worker in a variety of production, packaging or assembly lines.

Adaptable, powerful, compact and lightweight, it really offers the ideal extra "pair of hands".

Included with the piCOBOT® is URcap plug-in software for the teach pendant, to ensure easy programming and quick installation of piCOBOT® for the customers.

Our gripping and moving solutions such as piCOBOT® help thousands of customers in a wide range of industries globally, to improve energy-efficiency, productivity and working environments. Ergonomic, safe and adaptable, our user-friendly solution promises to increase productivity while eliminating the risk of injury to your team.

- Increase speed with high reliability
- Increase uptime and operational savings
- Very customizable

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## Main advantages

### WIDE APPLICATION RANGE

Thanks to the multistage COAX® cartridges the high flow capacity of piCOBOT® is outstanding. It can grip anything from very porous to sealed material, from lightweight up to 7kg [15.5lbs]. A vacuum system based on COAX® technology can provide you with three times more vacuum flow than conventional systems, allowing you to increase speed with high reliability while reducing energy consumption.



### ADJUSTABLE GRIPPER

Designed to be fitted to the end of any type of cobot arm, piCOBOT® is combined with adjustable and flexible grippers that can be fitted with a variety of different suction cups. The 97-142 mm [3.81-5.59"] wide gripper arms can be tilted +/- 15°, providing excellent reach for positioning cups. Fitted on the grippers are our suction cups, acting as the cobot's hands.



### AUTOMATE THE KITTING PROCESS

The gripper is adjustable, together with piSAVE® sense- an object sensing valve- the flexibility for kitting process is very big. piCOBOT® can pick, one or two items in the same pick, with different shapes or structures.

### PLUG AND PLAY

Technical and electrical interfaces are seamlessly adapted for UR robots which makes it truly plug and play for the customer. The URcap facilitates installation, set up and programming. There is also onboard intelligence, which makes piCOBOT® adjust automatically for every different application.

### piCOBOT®

Characteristic	Unit	Value
Feed pressure, max.	MPa / [psi]	0.7 / [101.5]
Vacuum level	-kPa / [-inHg]	84 / [24.8]
Weight	g / [oz]	510 / [17.99]
Safety classification		IP54

### Adjustable gripper

Characteristic	Unit	Value
Payload, max.	kg / [lbs]	7.0 / [15.5]
Adjustable length, cups	mm / [inch]	97-142 / [3.81-5.59]
Height	mm / [inch]	37.5 / [1.48]
Width	mm / [inch]	129-174 / [5.08-6.85]
Weight, excluding cups	g / [oz]	210 / [7.41]
Thread		G1/4"