

# VACUUM GRIPPERS



## ePICK

ePick stands out for not needing an external air source. It can be easily installed by connecting it directly to the robot arm. ePick handles various applications and can pick up non-porous, even and uneven surfaces made from different materials like cardboard, glass, sheet metal (dry), and plastic. The bracket and air nodes are customizable to meet various application needs. To reach higher throughput, two ePick grippers can be mounted together and pick multiple boxes simultaneously.



## POWER PICK

The PowerPick vacuum gripper line is designed to handle a wide range of applications, with a key focus on maximizing lifting capacity, productivity, and adaptability, making the grippers preferred choices to perform heavy-duty tasks like palletizing.

Equipped with a vacuum generator that attaches to the base of the robot, the PowerPick 10-20-30-SingleCup set a new standard for lightweight and enhanced lifting performance in their category. PowerPick Multi elevates your palletizing solution eliminating gripper changeovers and manual handling. Its flexible cup array, dual-zone picking, and intuitive URCap integration make it easy to adapt to any box size and future production changes. Each gripper are also designed to be **plug and play** for other applications like assembly, packaging, machine tending, etc.

Each PowerPick offers different configurations to accommodate a wide range of box sizes, shapes, materials, and weights without compromising stability. Engineered with industrial pneumatic grade components, PowerPick comes with a dual channel to more effectively control the vacuum flow.



# PowerPick Multi



**GripCheck, Blowoff and Dual Channel with grip sensing –**  
Increase consistency, throughput and vacuum level.



**Force Control –** Cobot force sensor paired with URcap allow for a faster pick and ensures robustness.



**Single Stage Venturi –**  
Low maintenance for reduced downtime.



**Multi-Cups –** PowerPick Multi array of cups allow different pick positions for any of your products which eliminates the need of gripper changeover, thus saving time and preventing manual handling errors.



**Multi-Zone –** Allow multi-pick recipes for a wide range of box sizes within the same line, further enhancing your palletizing solution in adaptability and flexibility.



**Up to 30 kg (66 lb) Payload –** Tested on real applications and typical conditions.



## PLUG & PLAY

Elevate your palletizing with PowerPick Multi—the gripper for Robotiq palletizers to eliminate changeovers and manual handling errors! Its flexible cup array, multi-zone picking, and intuitive URcap integration make it easy to adapt to any box size and future production changes.



### PowerPick Multi

#### DESIGN

Vacuum Generation Source(s)	Compressed Air
Material Compatibility	Porous
Tooling Weight	4.2 kg (9.26 lb)
Possible Configurations	6
Flow Control	Dual Channel
Maximum Vacuum Level	92%
Maximum Vacuum Flow	392 l/m (103.56 GPM)
Cycle time - Grip	0,14s
Cycle time - Release	0,04s

#### PAYLOAD CAPACITY\*

Stand-Alone	30 kg (66 lb) with single bellow cups option
Mounted**	Up to 30 kg (66 lb) with single bellow cups and on UR30
Compatibility	Universal Robots

#### ENVIRONMENTAL & OPERATING CONDITIONS

Air Rating ISO 8573-1	Class 7-4-4
Size of particles allowed	< 40µm (e. g. plant pollen)
Filtration Kit	5 microns air filter
Maximum Air Consumption	542 l/m (143 GPM)
Optimal Feed Pressure	6.5 bar (94.3 psi)
Maximum Feed Pressure	8.0 bar (116 psi)
Connection (Compressed Air)	12 mm OD tube
Humidity	35 to 85 % RH, non-condensing
Operating Ambient Temperature	10 to 50 °C (50 to 122 °F)

\* Payload capacity is determined through tests conducted on standard cardboard for porous materials

\*\* Total payload capacity when mounted on the robot arm.



PowerPick10



PowerPick20



PowerPick30

## PLUG & PLAY

**30-MINUTE  
INSTALLATION**

**NO TRAINING  
REQUIRED**

**LOW  
MAINTENANCE**

**INDUSTRIAL GRADE  
COMPONENTS**

	PowerPick10	PowerPick20	PowerPick30
<b>DESIGN</b>			
Vacuum Generation Source(s)	Compressed Air	Compressed Air	Compressed Air
Material Compatibility	Porous	Porous	Porous
Tooling Weight	1.2 kg (2.66 lb)	1.8 kg (4 lb)	1.85 kg (4.08 lb)
Possible Configurations	42	16	16
Flow Control	Dual Channel	Dual Channel	Dual Channel
Maximum Vacuum Level	92 %	92 %	92 %
Maximum Vacuum Flow	180 l/m (47.6 GPM)	376 l/m (99.3 GPM)	376 l/m (99.3 GPM)
<b>PAYLOAD CAPACITY*</b>			
Stand-Alone	Up to 13 kg (28 lb)	Up to 18.2kg (40 lb)	Up to 27.2 (60 lbs)
Mounted**	Up to 11.3 kg (25 lb) on a UR10	Up to 18.2kg (40 lb) on a UR20	Up to 27.2 (60 lbs) on a UR30
Compatibility	UR5, UR10, UR16, Omron, Techman Robot	UR20	UR30
<b>ENVIRONMENTAL &amp; OPERATING CONDITIONS</b>			
Air Rating ISO 8573-1	Class 7-4-4	Class 7-4-4	Class 7-4-4
Size of particules allowed	< 40µm (e. g. plant pollen)	< 40µm (e. g. plant pollen)	< 40µm (e. g. plant pollen)
Filtration Kit	5 microns air filter	5 microns air filter	5 microns air filter
Maximum Air Consumption	305 l/m (80.6 GPM)	564 l/m (149.0 GPM)	564 l/m (149.0 GPM)
Minimum Feed Pressure	3.0 bar (43.5 psi)	3.0 bar (43.5 psi)	3.0 bar (43.5 psi)
Maximum Feed Pressure	8.0 bar (116 psi)	8.0 bar (116 psi)	8.0 bar (116 psi)
Connection (Compressed Air)	12 mm OD tube	12 mm OD (tube)	12 mm OD tube
Humidity	35 to 85 % RH, non-condensing	35 to 85 % RH, non-condensing	35 to 85 % RH, non-condensing
Operating Ambient Temperature	0 to 50 °C (32 °F to 122 °F)	0 to 50 °C (32 °F to 122 °F)	0 to 50 °C (32 °F to 122 °F)



\* Payload capacity is determined through tests conducted on standard cardboard for porous materials  
 \*\* Total payload capacity when mounted on the robot arm.

# ePick | PowerPick10 SingleCup



## PLUG & PLAY

**30-MINUTE  
INSTALLATION**

**NO TRAINING  
REQUIRED**

**LOW  
MAINTENANCE**

**INDUSTRIAL GRADE  
COMPONENTS**

	ePick	PowerPick10 SingleCup
<b>DESIGN</b>		
Vacuum Generation Source(s)	Electricity	Compressed Air
Material Compatibility	Non-porous	Non-Porous*
Tooling Weight	0.71 kg (1.6 lb)	0.385 kg (0.85 lb)
Possible Configurations	6	1
Flow Control	Single Channel	Dual Channel
Maximum Vacuum Level	80 %	92 %
Maximum Vacuum Flow	12 l/min	180 l/m (47.6 GPM)
<b>PAYLOAD CAPACITY**</b>		
Stand-Alone	Up to 4.5 kg (9.9 lb) per cup Up to 16 kg (35 lb) with 4 cups	Up to 6.5 kg (14.3 lb)
Mounted***	Up to 11.5 kg (25 lb) on a UR10	Up to 6.5 kg (14.3 lb) on a UR10
Compatibility	UR3, UR5, UR10, UR16, Omron, Techman Robot	UR5, UR10, Omron, Techman Robot
<b>ENVIRONMENTAL &amp; OPERATING CONDITIONS</b>		
Air Rating ISO 8573-1	-	Class 7-4-4
Size of particules allowed	-	< 40µm (e. g. plant pollen)
Filtration Kit	-	5 microns air filter
Maximum Air Consumption	-	305 l/m (80.6 GPM)
Minimum Feed Pressure	-	3.0 bar (43.5 psi)
Maximum Feed Pressure	-	8.0 bar (116 psi)
Connection (Compressed Air)	-	12 mm OD tube
Humidity	20 to 80 %	35 to 85 % RH, non-condensing
Operating Ambient Temperature	5 to 40 °C (41 °F to 104 °F)	0 to 50 °C (32 °F to 122 °F)

\* PowerPick10 SingleCup can also be used for porous materials - specs may differ. Talk to an expert to learn more.

\*\* Payload capacity is determined through tests conducted on standard cardboard for porous materials

\*\*\* Total payload capacity when mounted on the robot arm.

**TALK TO AN EXPERT**

**VICOSYSTEMS**  
EXPERIENCE / QUALITY / INNOVATION / RELIABILITY

**ROBOTIQ**

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