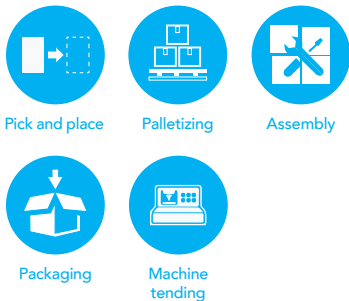


VACUUM GRIPPERS



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.



PowerPick10



PowerPick10 SingleCup



PowerPick30

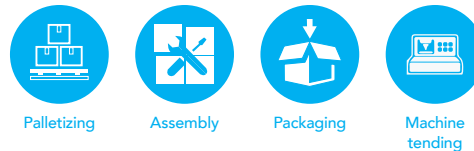


PowerPick20

POWER PICK

The PowerPick vacuum gripper line is designed to handle a wide range of applications, with a key focus on maximizing lifting capacity, 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 grippers set a new standard for lightweight and enhanced lifting performance in their category. 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.





PLUG & PLAY

**30-MINUTE
INSTALLATION**

**NO TRAINING
REQUIRED**

**LOW
MAINTENANCE**

**INDUSTRIAL GRADE
COMPONENTS**

	ePick	PowerPick10 SingleCup	PowerPick10	PowerPick20	PowerPick30
DESIGN					
Vacuum Generation Source(s)	Electricity	Compressed Air	Compressed Air	Compressed Air	Compressed Air
Material Compatibility	Non-porous	Non-Porous*	Porous	Porous	Porous
Tooling Weight	0.71 kg (1.6 lb)	0.385 kg (0.85 lb)	1.2 kg (2.66 lb)	1.8 kg (4 lb)	1.85 kg (4.08 lb)
Possible Configurations	6	1	42	16	16
Flow Control	Single Channel	Dual Channel	Dual Channel	Dual Channel	Dual Channel
Maximum Vacuum Level	80 %	92 %	92 %	92 %	92 %
Maximum Vacuum Flow	12 l/min	180 l/m (47.6 GPM)	180 l/m (47.6 GPM)	376 l/m (99.3 GPM)	376 l/m (99.3 GPM)
PAYLOAD CAPACITY**					
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)	Up to 13 kg (28 lb)	Up to 18.2kg (40 lb)	Up to 27.2 (60 lbs)
Mounted***	Up to 11.5 kg (25 lb) on a UR10	Up to 6.5 kg (14.3 lb) on a UR10	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	UR3, UR5, UR10, UR16, Omron, Techman Robot	UR5, UR10, Omron, Techman Robot	UR5, UR10, UR16, Omron, Techman Robot	UR20	UR30
ENVIRONMENTAL & OPERATING CONDITIONS					
Air Rating ISO 8573-1	-	Class 7-4-4	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)	< 40µm (e. g. plant pollen)
Filtration Kit	-	5 microns air filter	5 microns air filter	5 microns air filter	5 microns air filter
Maximum Air Consumption	-	305 l/m (80.6 GPM)	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)	3.0 bar (43.5 psi)
Maximum Feed Pressure	-	8.0 bar (116 psi)	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)	12 mm OD tube
Humidity	20 to 80 %	35 to 85 % RH, non-condensing	35 to 85 % RH, non-condensing	35 to 85 % RH, non-condensing	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)	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)

* 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



1-888-Robotiq
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