ROBOTIQ

# VACUUM *GRIPPERS*



## E PICK

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.

Pick and place · Palletizing · Assembly · Packaging · Machine tending





PowerPick Multi



PowerPick10



PowerPick20



PowerPick30



PowerPick10 SingleCup

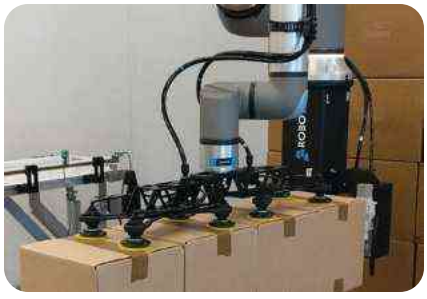
## POWER PICK

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.

Palletizing · Assembly · Packaging · Machine tending





# 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 particules 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 | 20 | 30



PowerPick10



PowerPick20



PowerPick30

## PLUG & PLAY

**30-MINUTE INSTALLATION** | **NO TRAINING REQUIRED** | **LOW MAINTENANCE** | **INDUSTRIAL GRADE COMPONENTS**

| | PowerPick10 | PowerPick20 | PowerPick30 |
|---|---|---|---|
| **DESIGN** | | | |
| 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) |
| **PAYLOAD CAPACITY*** | | | |
| 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 |
| **ENVIRONMENTAL & OPERATING CONDITIONS** | | | |
| 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 |
|---|---|---|
| **DESIGN** | | |
| 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) |
| **PAYLOAD CAPACITY**** | | |
| Stand-Alone | Up to 4.5 kg (9.9 lb) per cup<br>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 |
| **ENVIRONMENTAL & OPERATING CONDITIONS** | | |
| 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**

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