

Palletizing Gripper with Vacuum Handling – OnRobot 2FGP20



OnRobot's 2FGP20 is a highly versatile palletizing gripper with wide stroke and customizable arms handles heavy or open boxes, shelf-ready products and other containers that can't be gripped with vacuum.

Integrated vacuum gripper handles slip sheets without changing the gripper or requiring other handling method.

Quick# 8205

Part# OR-108585

PRICE: \$12,777.00

OnRobot pricing effective 05/01/24 and subject to change.



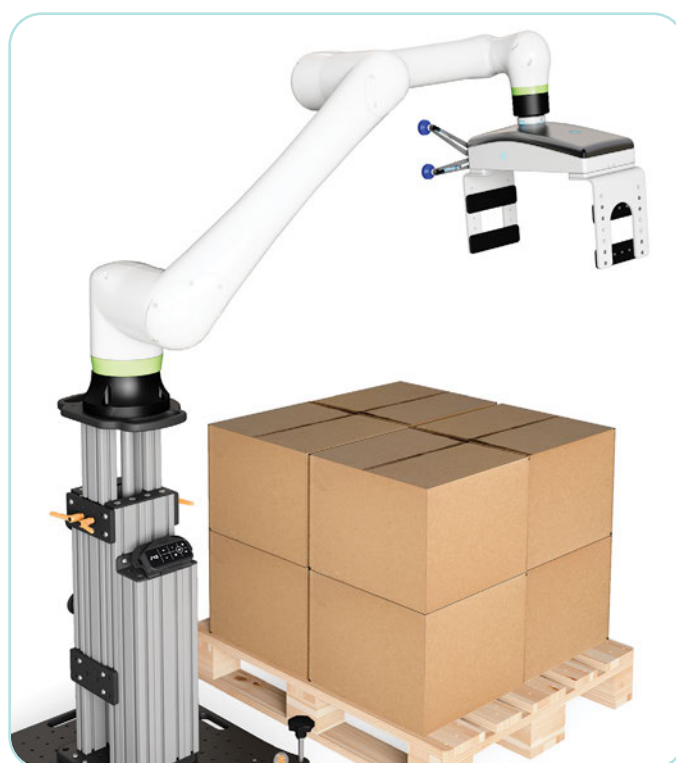
- Off-the-shelf gripper saves significant engineering effort and shortens deployment time.
- Electric gripper offers fast out-of-the-box deployment without the complexity and costs of external air supply.
- Gripper will hold workpiece in case of powerloss.
- Integrated electric BLDC motor included.
- Vacuum unit includes integrated 50µm field replaceable dust filters.
- IP 54 Classification.
- Base unit weight with standard fingers and pads: 5.07kg (11.18 lb).
- Base unit weight with standard fingers, pads and all vacuum equipment: 5.34kg (11.77 lb).
- A compute box is required to use this gripper on any robot platform.
- Dimensional drawing and Force chart online.

| Technical Specs | 8205 |
|-----------------------|----------------------------------|
| Vacuum | 5%– 60% Vacuum (1.5Hg – 17.95Hg) |
| Air flow | 12 L /min (0.42 CFM) |
| Total stroke | 260mm (10.24 in) |
| Maximum rated payload | 44 lb (20 kg) |
| Gripping time* | 600ms |
| Gripping speed** | 16–180 mm/s |
| Gripping force*** | 80–400N |
| Power supply | 20V – 25V |
| Current consumption | 2000 mA |
| Operating temperature | 41° – 122°F |

* Includes brake action

** At 6mm stroke and 150N. The typical value is 900ms at 200mm and 200N.

***See EMI website for Force vs Current Graph.



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- CU
- QC
- VG
- VC
- VA
- SG
- GR
- MT
- AC
- CS
- CC