

Vision-guided Depalletizing Solution

With the goal of changing the manufacturing world by "Lifting to Empower", Cobot Lift has launched a solution that allows companies to shift the sack handling task from manual to an automated process. Our brand-new Vision-guided Depalletizing Solution enables precise handling of sacks with different sizes and shapes weighting up to 45 kg. Our goal is to allow manufacturers the possibility of providing a healthy environment to their staff. We make sure they go home the same way they arrived for their daily shift job.

Why us?

By focusing on precision and with the cooperation of a light-sensitive camera, our new solution is not only able to detect sacks of different sizes and shapes, but also finding the center point in order to detect corners, resulting in accurate gripping when the Cobot lifts the sacks. By precisely measuring the edges of the products, our solution works with any positioning, no matter how the sacks are placed.



Benefits

- Precision – detects sacks of different sizes and shapes, as well as their center point
- Measuring – finds the edges by measuring the center of sacks
- Positioning – no matter what position the sacks are placed
- Light-sensitive camera - can handle dusty and moist environments
- UR cap connection - connecting to the UR cap, you can see the latest recorded saved images
- Remote access point - enables remote robot and camera manipulation
- Installation knowledge provided by Cobot Lift
- Fully customizable



What is inside the Vision-guided Depalletizing package?

1. Mobile Cobot Lift unit
2. Remote access point
3. IFM camera + vision software
4. Cooling and mounting brackets for the camera
5. Flex joint
6. Squared shape end-effector
7. 5 hours remote support

***The robot arm is not included*



Lifting to Empower



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