PLB FOR DEPALLETIZING
PICK ANY SIZED TIRES BASED ON 3D DATA

Robot guidance systems │ 3D machine vision

SICK
Sensor Intelligence.

Floorspace and worker availability are very limited resources, but a wide variety of tires need to be handled at very high speeds. Fully automated tire picking robots help to increase pick-and-place accuracy and speed, with 24/7 uptime. Most importantly, the robots help to make workplaces in tire industry more worker-friendly when it comes to handling heavy tires.

SICK offers a high-precision robot guidance system for localizing tires to be picked. A high-resolution, high-speed camera in combination with the PLB software detects a wide range of tires of different sizes.

Increased capacity

Less manual work

Faster tire handling

➕ Automatic detection of all kinds of tires

- Accurate localization thanks to high-precision 3D point cloud
- Handling of all kind of tires - from green to finished tires
- Fast picking due to high-speed 3D camera

1 Image Acquisition

➕ Powerful, user-friendly software

- Localization based on geometrical surface features; no CAD matching required
- Easy configuration function for precise localization, efficient picking and fast sorting of tires
- Life-time free PLB software upgrade

2 Localization

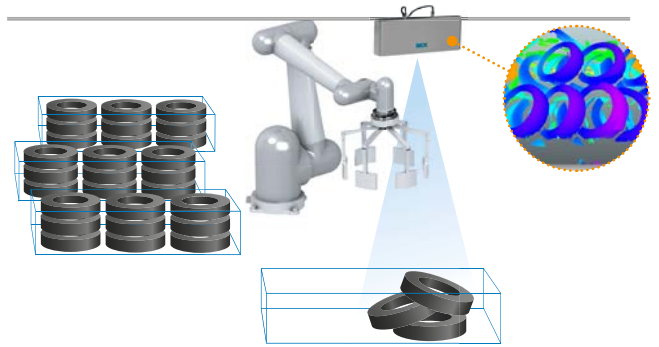### ➕ Easy robot programming

- Flexible robot integration modules make it easy to use PLB together with any robot brand
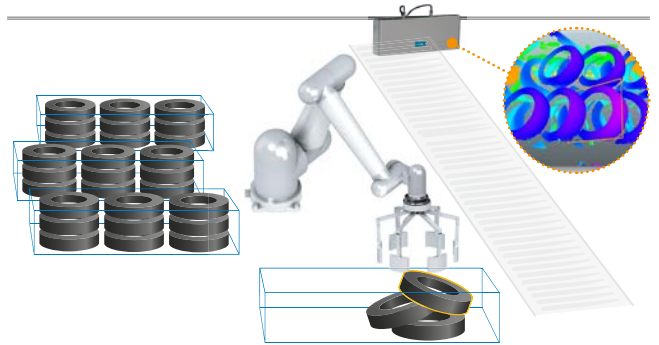- Support for gantry robots

3 Picking and Placing

➜ **www.sick.com/PLB**

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