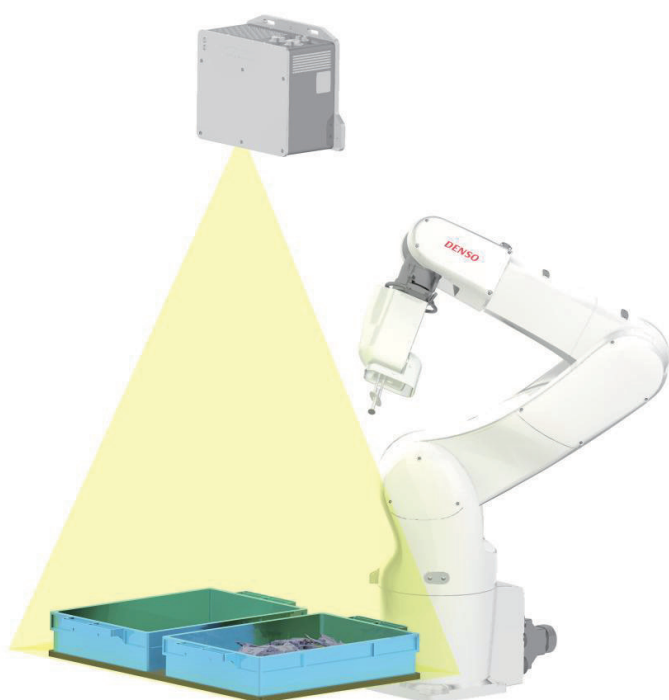


Random picking [3D Machine vision]

High-speed and accurate Random picking

High-speed and accurate Random picking using high-performance 3D machine vision and DENSO robot + movable grippers (reference exhibit)

Demonstration unit overview

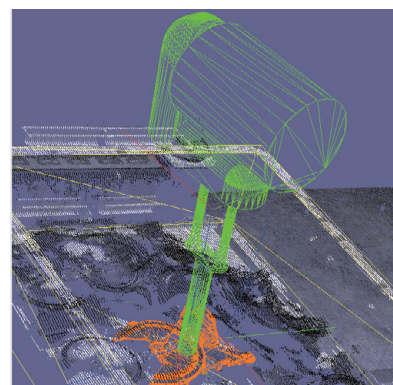
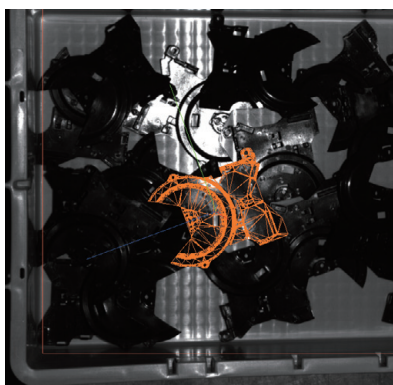


• CANON 3D Machine Vision

| | |
|--------------------------------|---------------------|
| Product name | RV500 |
| Recognition method | 3D CAD matching |
| Measurement distance | approx. 800~1,000mm |
| Repeatability | ±0.15mm |
| Measurement range | max. 540×540×H200mm |
| Measurement method | Pattern projection |
| Number of registration | 200 |
| Dust/Waterproof | IP54 |
| Weight | approx. 6kg |
| Measurement + recognition time | approx. 1.8 seconds |

Specification

- High-speed and high-accuracy 3D recognition of multiple parts
- Easy to set up complex parts recognition using CAD data
- Instantly measure 3D position of workpieces



DENSO