



3D Belt Pick

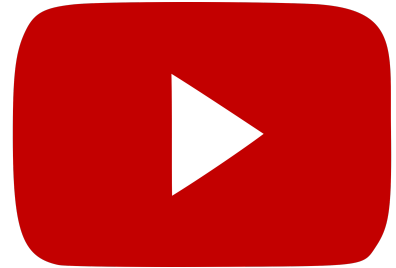
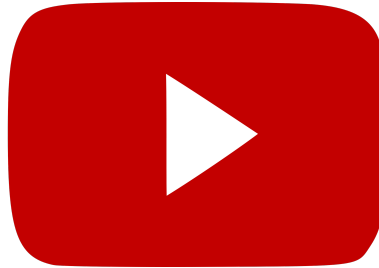
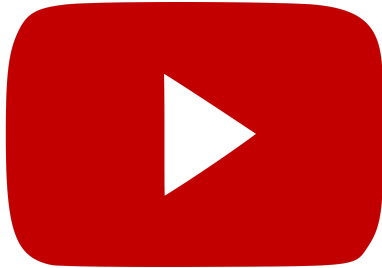
Step up your belt picking applications

SICK APPSPACE SENSORAPPS

SICK
Sensor Intelligence.

Advantages

Working with 3D vision in your robot guidance projects increase both the reliability of your picking process and the quality of the handled products.



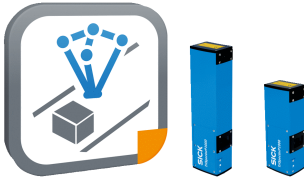
The 3D Belt Pick SensorApp is specialized for locating products on a conveyor belt.

Quick change-over to new product batch – works without teach-in, height based detection allows shifting product design.

Easy to integrate with selectable interfaces for ABB PickMaster™, Stäubli and URCap.



Collisions and product damage are prevented – 3D technology enables reliable detection and gentle handling based on the true shape of each product.



Technical data overview

Task	3D object localization on production lines
Technology	3D line scanning
Language	English
Supported products	V3T12P-MR32A7S50 V3T12P-MR32A8S50 V3T13P-MR62A7S50 V3T13P-MR62A8S50
Minimum screen resolution	1,366 px x 768 px
Supported browsers	Google Chrome (version 49 or higher)

Product description

The 3D Belt Pick SensorApp from SICK is specialized for locating products on a conveyor belt. With this software installed, the TriSpectorP1000 programmable 3D camera turns into a stand-alone, belt-picking sensor. Working with 3D vision in your robot guidance projects increases both the reliability of your picking process and the quality of the handled products. For each detected product, the camera reports location, height and orientation to the robot controller. On request, the SensorApp script can be opened and customized, e.g. to combine robot guidance with inspection.

At a glance

- Provides 3D coordinates of products on belt
- Intuitive web GUI
- Easy integration with several robot brands
- Simple hand-eye alignment
- Customization on request, adding e.g. inspection or sorting
- Running on TriSpectorP1000 stand-alone, IP67 rated, 3D camera

Your benefits

- Collisions and product damage are prevented – 3D technology enables reliable detection and gentle handling based on the true shape of each product
- Step-by-step, easy installation in web GUI
- Easy to integrate with selectable interfaces for ABB PickMaster™, Stäubli and URCap
- Quick change-over to new product batch – works without teach-in, height-based detection allows shifting product design
- Handles varying and poor contrast scenarios, e.g. when belt and product have the same color

Fields of application

- Robot belt picking in secondary packaging: 3D localization of food, pharma and cosmetics products on packaging line conveyor belts
- Robot belt picking in primary packaging: 3D localization of fish, meat and poultry products on production line conveyor belts

Ordering information

Other models and accessories → www.sick.com/3D_Belt_Pick

Application	Description	Type	Part no.
Digital Design, Operations, 2D and 3D Machine Vision solutions	The 3D Belt Pick SensorApp from SICK is specialized for locating products on a conveyor belt. With this software installed, the TriSpectorP1000 programmable 3D camera turns into a stand-alone, belt-picking sensor. Working with 3D vision in your robot guidance projects increases both the reliability of your picking process and the quality of the handled products. For each detected product, the camera reports location, height and orientation to the robot controller. On request, the SensorApp script can be opened and customized, e.g. to combine robot guidance with inspection.	3D Belt Pick demo SensorApp	On request

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com