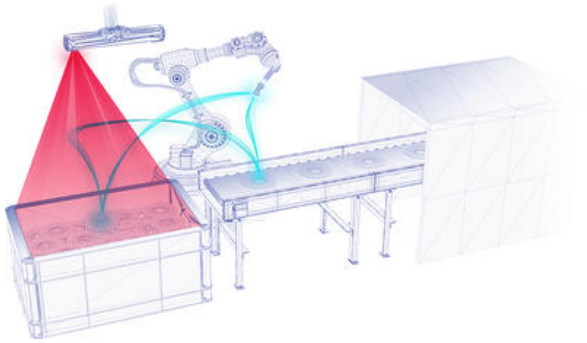
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PHOTONEO BIN PICKING STUDIO

Bin picking software

VC-BIPI-00000
Bin Picking Studio*



- Comprehensive Integration: Combines advanced 3D vision hardware with intelligent software to facilitate efficient bin picking applications.
- User-Friendly Configuration: Provides an intuitive setup process, allowing users to select robots, upload grippers and objects, and define environments with ease.
- Versatile Robot Compatibility: Supports a wide range of industrial robots, ensuring seamless integration into various manufacturing and logistics operations.

PRODUCT DESCRIPTION

Bin picking, also called robotic bin picking or automated bin picking, is a technique used in industrial automation to retrieve objects or parts from a bin (box) or pallet. This means using a robotic system equipped with sensors, cameras and advanced algorithms to identify, locate and grasp objects and place them in, for example, a fixture or on a conveyor belt for further handling. The objects that are picked can either be completely unsorted (random bin picking) or partially sorted.

Bin Picking Studio can handle objects in a variety of materials and which are randomly placed in, for example, pallets and feed them further into manufacturing. With a Phoxi scanner that is either permanently mounted over the pallet or mounted on the robot arm, the objects are scanned. Using the CAD file of the object, the vision controller then identifies which objects are pickable. Coordinates for the robot control, which also take into account surrounding objects, are then sent to the robot, which can place the object with great precision.