

**Next Generation of
3D Bin Picking Systems**



**TOUCH &
AUTOMATE**
Beyond INDUSTRY 4.0

3D Robot Vision for Bin Picking **IntelliPICK3D**

CAD-Based 3D Point Cloud Recognition



**Fastest Installation
Fastest Scan
Fastest Cycle Time**

ISRA
VISION

Reliable 3D Bin Picking Made Easy

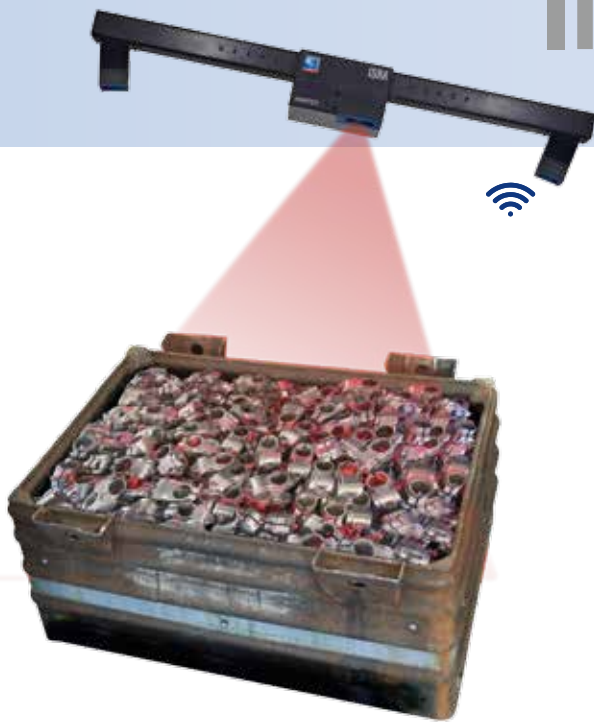
Highest Efficiency

- Return on investment in less than a year for typical applications
- Maximum productivity through a scanning time of a few seconds
- Shortest cycle time and highest system availability
- Double speed with integrated robot path planning

Maximum Robustness

- Automated sensor and robot calibration
- Robust capturing and collision free grabbing of complex part geometries
- Increased output with standard, heavy and bulky parts
- Intelligent pick and place with integrated collision check
- Robust 3D object detection at every depth

IntelliPICK3D



Stereo scan with multiline illumination



Detection of parts in the 3D p

Technology and Performance

Easy-to-use with intuitive GUI

Only a few steps to the finished application. Intuitive parametrization at the factory floor in modern design based on new GUI.

- Guided workflow navigation
- Simple and intuitive setup
- Intelligent image processing tools
- Integrated plausibility checks
- Efficient processing of 3D point cloud
- Standard communication interface for all common robots



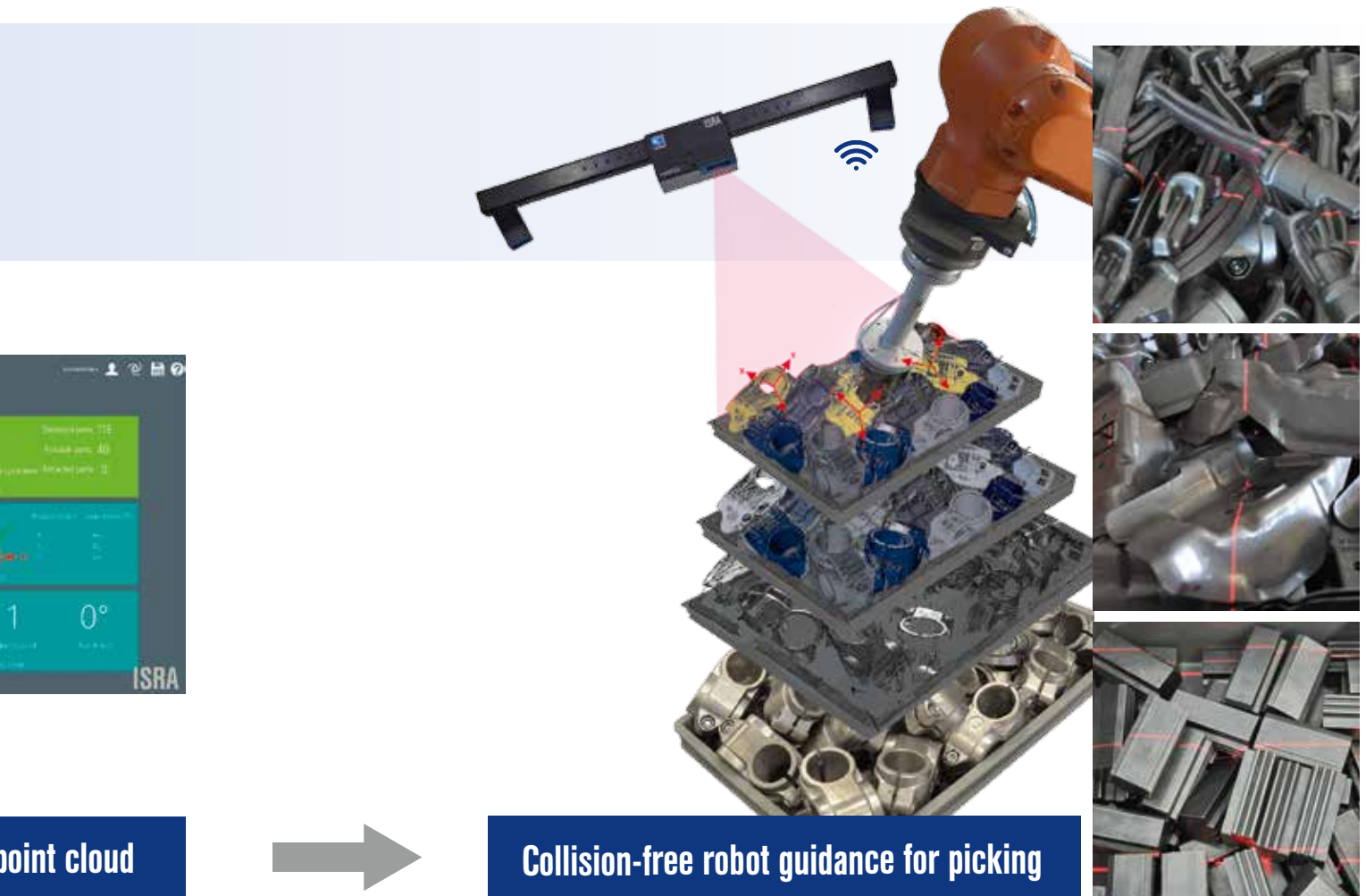
with IntelliPICK3D: Fast & Robust

Best Flexibility

- Infinite variety of objects using 3D CAD data teaching
- Applicable for one or more containers
- Integration of new parts within minutes
- Flexible mounting system
- Multiple use: Applicable in many different industries
- Automatic container detection for highest availability

The Future of Automated Production – Now!

- No expert knowledge needed - integrate and start operation: Parameterizing instead of programming
- Easiest setup and installation, due to CAD based recognition
- Save time with pre-calibrated sensors
- Standardized components with low maintenance effort

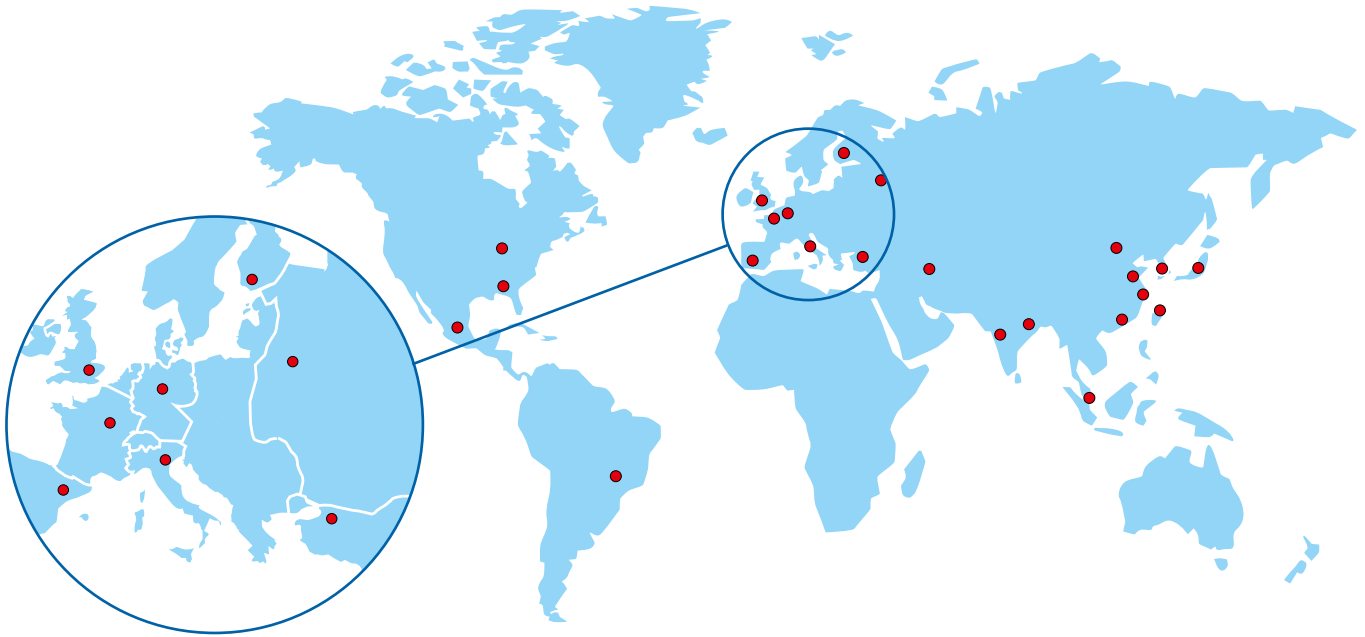


Features IntelliPICK3D

- Plug & Automate: Ready to use in HOURS with ANY ROBOT
- Fast and Robust 3D scan and detection in seconds
- Collision free robot path and gripper planning
- Robust 3D object detection of small and shiny parts
- Picking of several parts with only one scan
- Accuracy within millimeter range



Innovation for Robot Automation



World class automation

ISRA VISION has been a leading supplier of high-performance quality inspection, robot guidance and production logistics systems for more than 30 years.

ISRA systems are used in the automotive industry throughout the world. Our goal is to offer a complete portfolio of standard solutions which meets the full spectrum of requirements along the entire process chain.

Thousands of successful installations worldwide demonstrate ISRA's experience and technological expertise in machine vision.

A summary of the advantages

Customers choose ISRA over the competition for the following reasons:

- Our development activities are fully focused on the needs of our customers.
- We consistently invest in our own knowledge base in all of the core areas of machine vision.
- At our company, the customer relationship does not end when a new system leaves our shipping dock. The Customer Support Center operates a range of services including a telephone hotline, teleservice, on-site service and maintenance to support our customers in operating their systems and equipment and to help them increase their productivity.
- More than 700 team members at our locations in Europe, the Americas and Asia are committed to helping you achieve success.

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Optimize your ROI with the technology leader **ISRA**

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