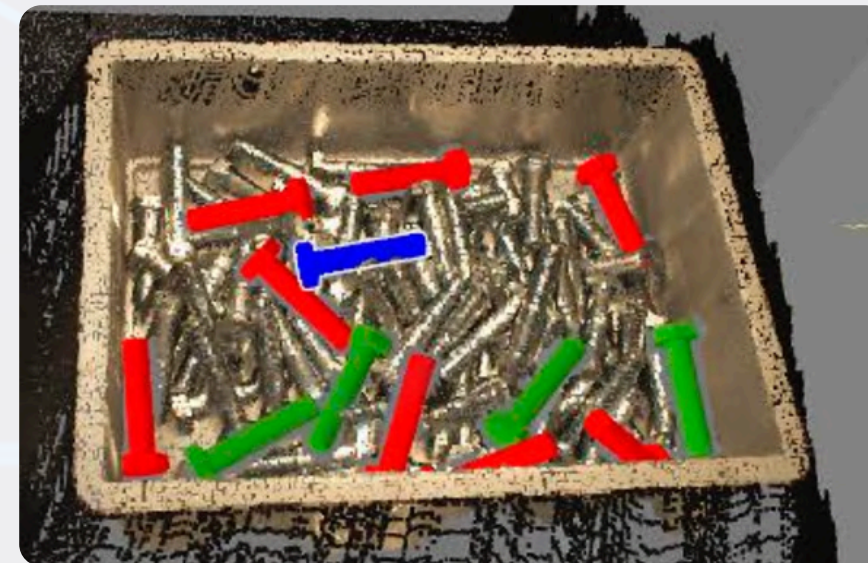
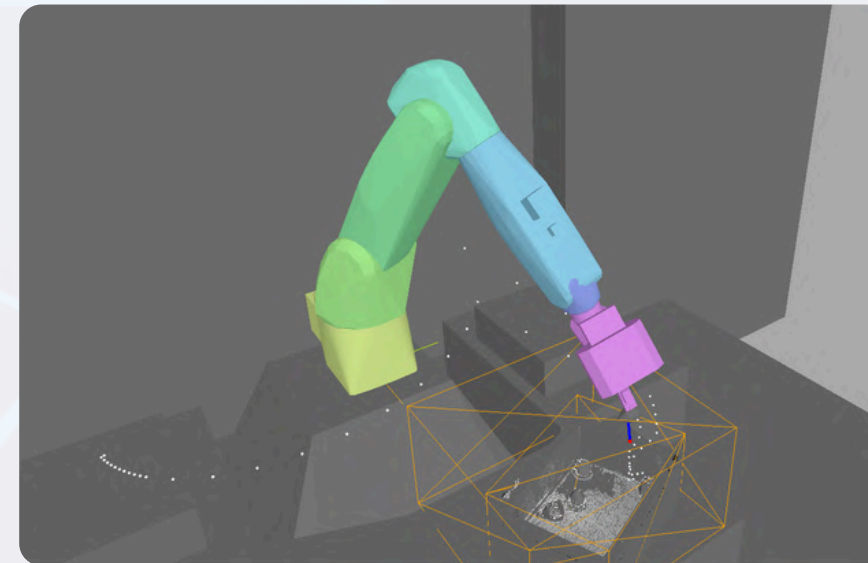
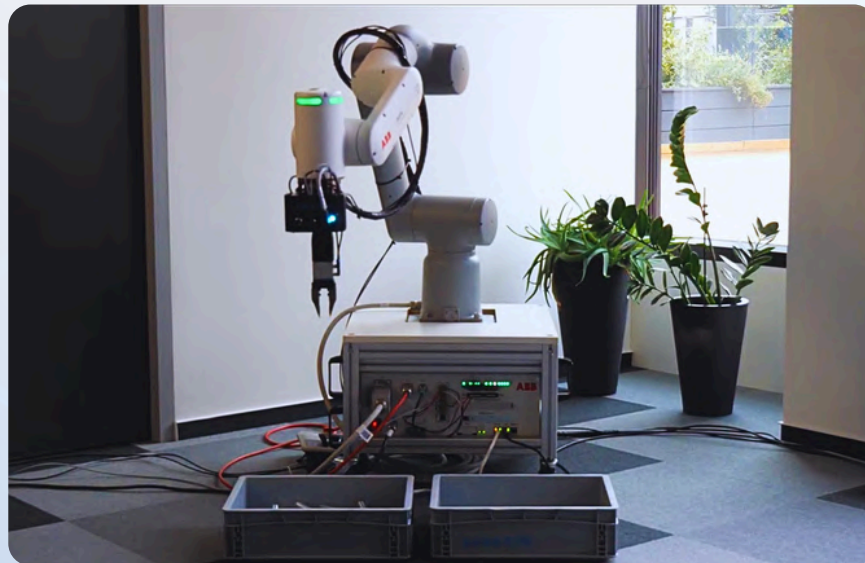
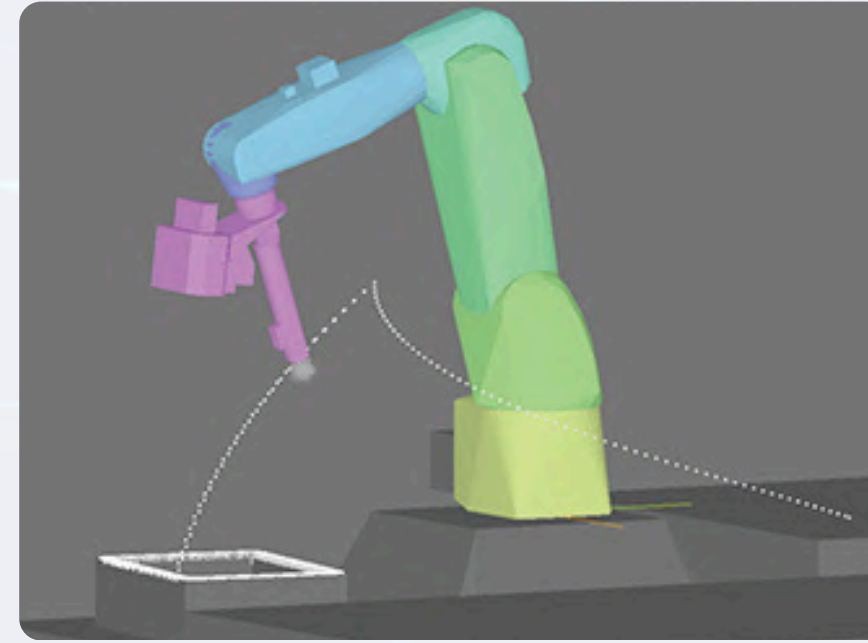
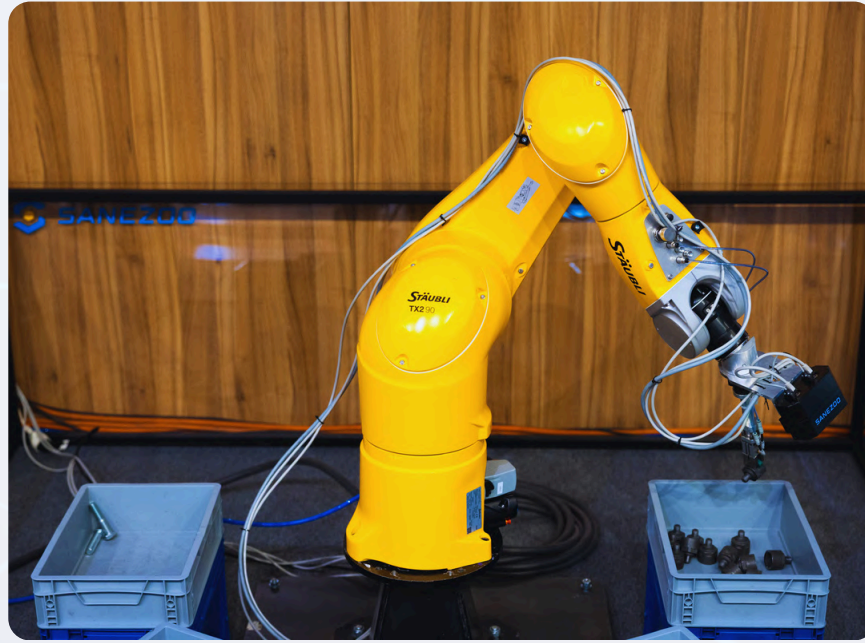


Sanezoo Picking

3D robot guidance & bin-picking





Sanezoo Picking is an advanced robotic guidance and automated part handling system. It utilizes 3D scene reconstruction and intelligent algorithms to recognize objects, determine their orientation, and calculate collision-free robot trajectories. The system is designed to handle a wide range of shapes and materials, including reflective and machined parts.

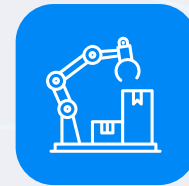
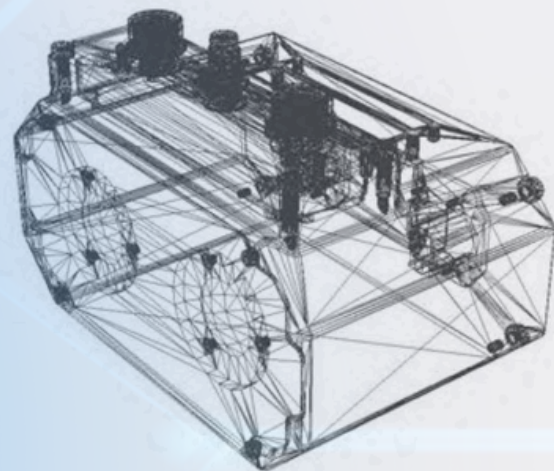
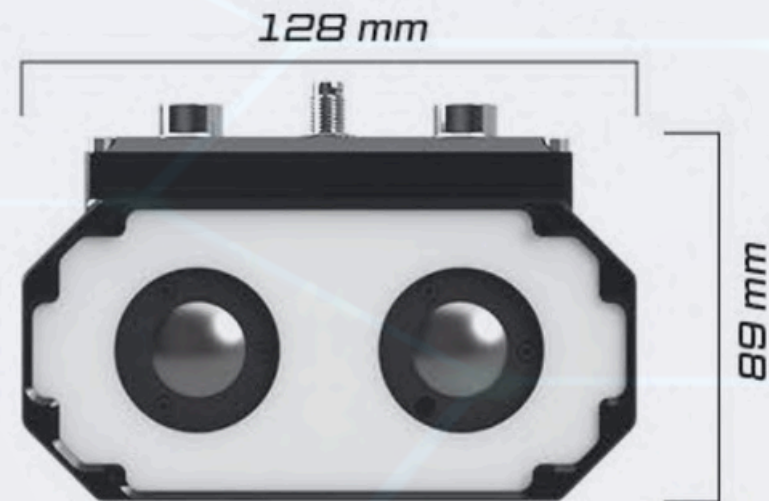
It enables stable and repeatable picking from randomly arranged containers. Thanks to its modular architecture, the system integrates flexibly into robotic cells and existing production lines, adapting to specific application requirements.

- ✓ **Minimum main part dimension: 10 mm**
- ✓ **Trajectory computation time from 2 s**



Sanezoo Picking

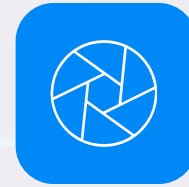
3D robot guidance & bin-picking



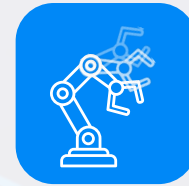
Simple interactive configuration



Suitable for a wide range of parts



Flexible workspace using hand-eye camera setup



Robot trajectory planning within a virtual workstation scene



Knows the correct grasp for oriented placement



Suitable for various shapes, surfaces, part sizes, and container dimensions



Installation options with leading robotics partners

 **Kawasaki**

FANUC

 **mitsubishi
ELECTRIC**

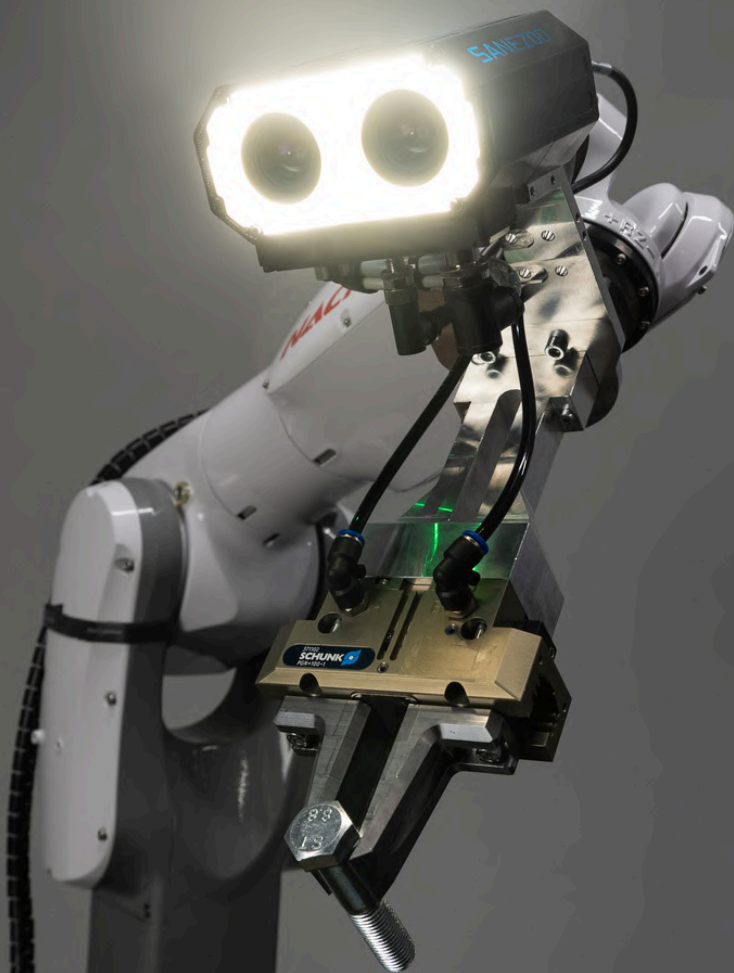


KUKA

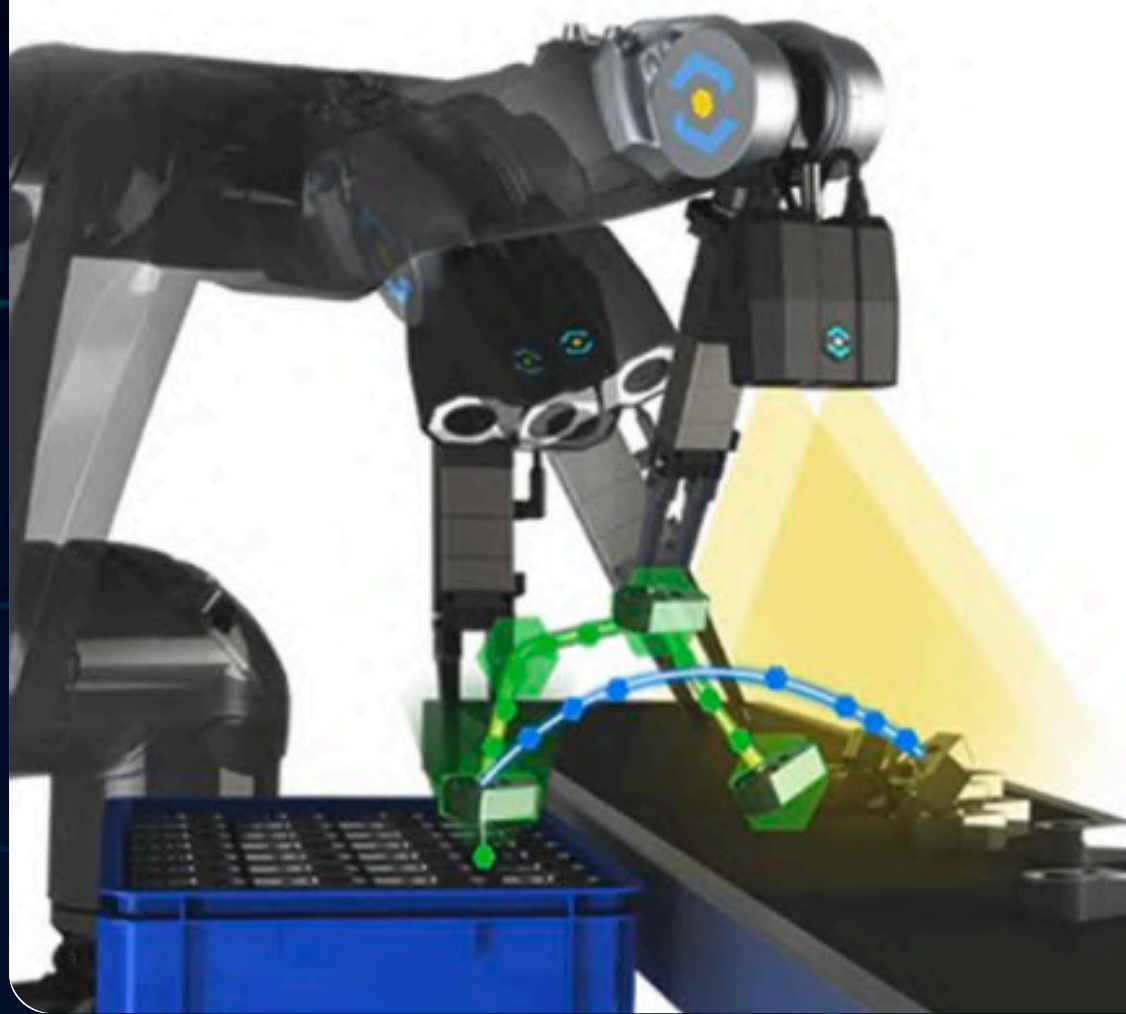


YASKAWA

Shibaura Machine



How does Sanezoo Picking work?



The system takes pictures

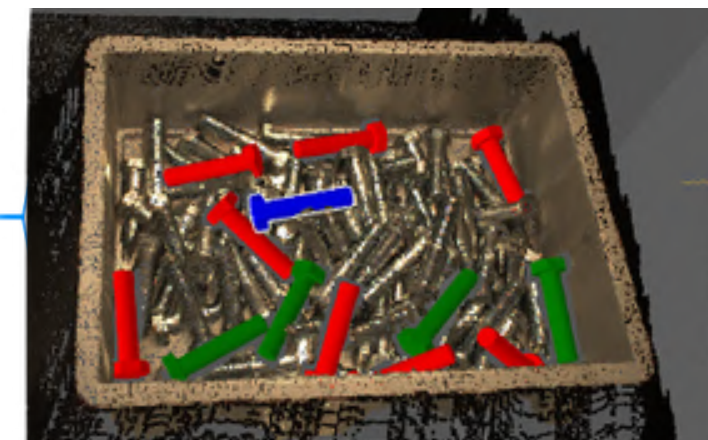
Creates a 3D representation of a scene from taken pictures



Recognizes individual parts and determines their position



Verifies that the part can be safely gripped



Calculates the collision-free path of the robot from the initial position to the transfer position



Sanezoo Studio

Rapid product integration

SANEZOO Studio provides intuitive configuration for SANEZOO Picking, user-friendly interfaces, and seamless integration into various environments.

Role-based interface – operator, admin, supervisor

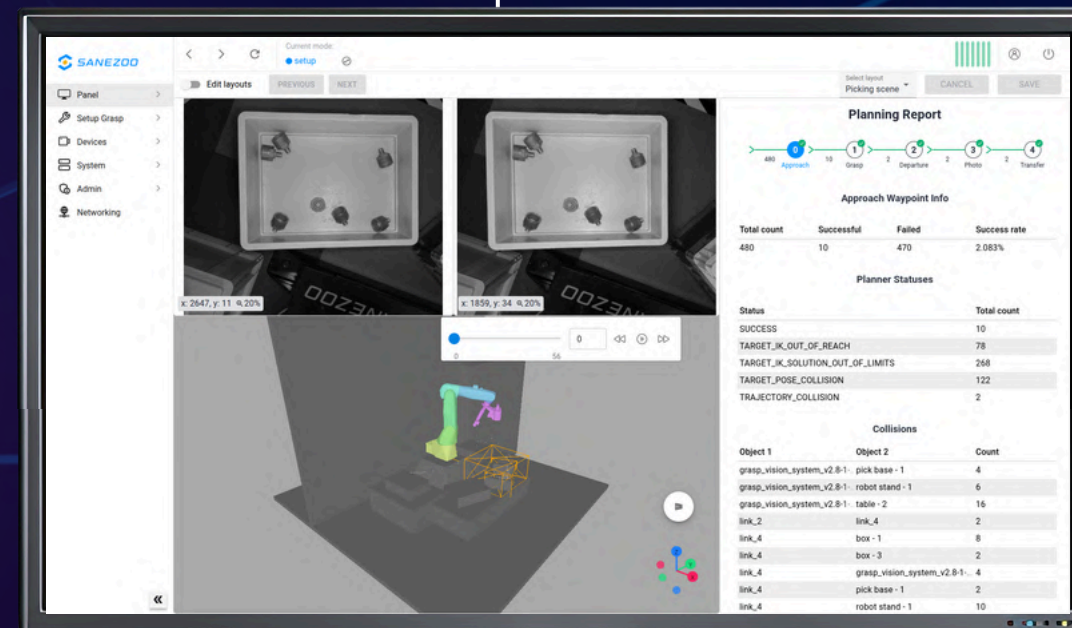
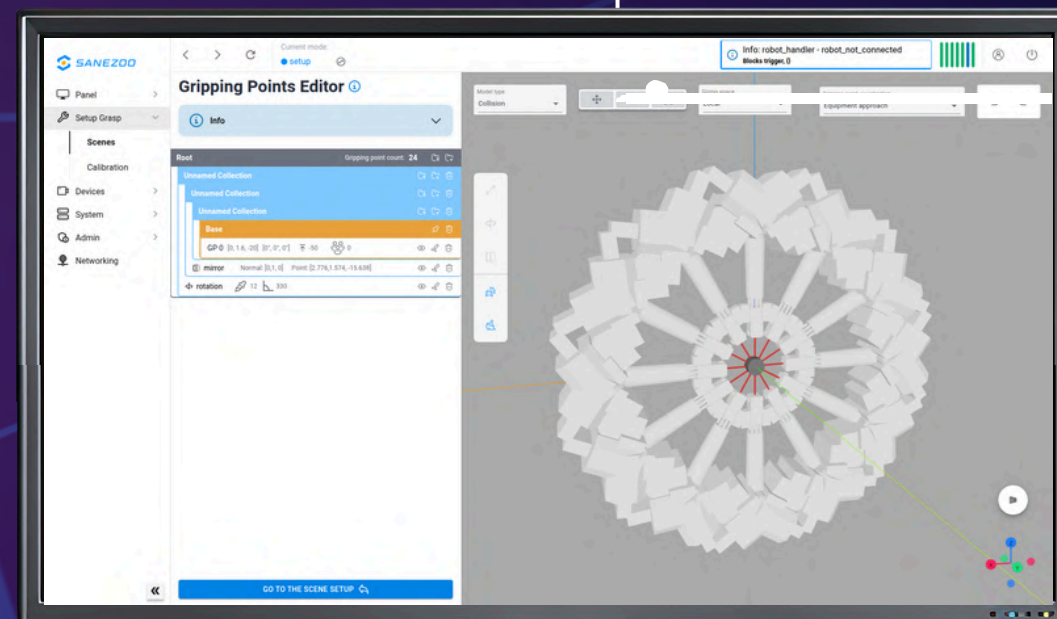
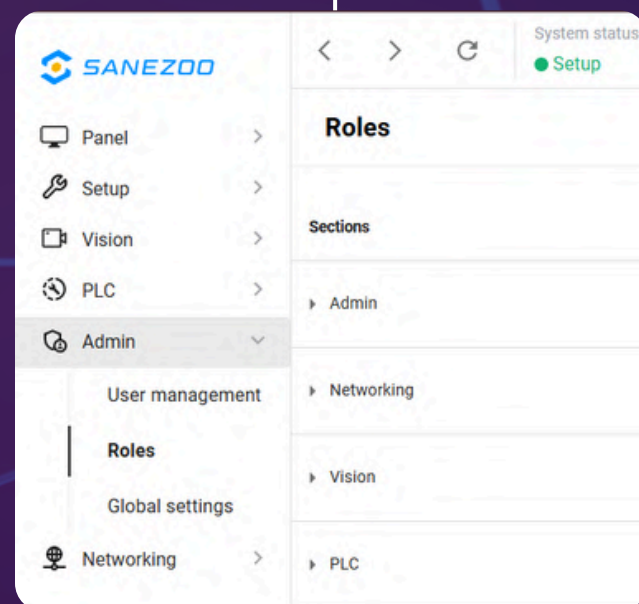
Each user sees only relevant data and tools

One system for multiple processes

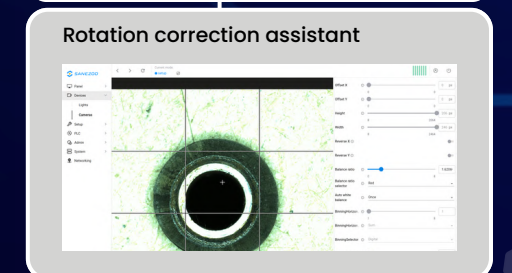
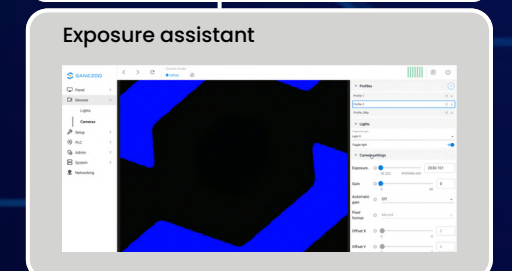
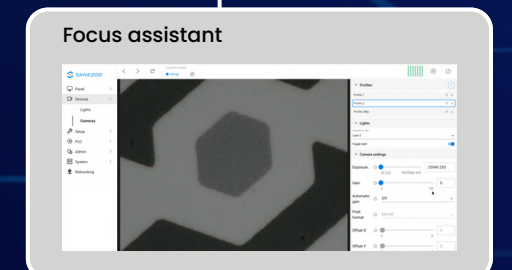
From 3D picking and robot guidance to detection, measurement, quality inspection, and painted surface control

Built-in user assistants

For optics setup, exposure adjustment, part alignment, and more



Picking setting



Why choose Sanezoo

Comprehensive solutions for any task

Thanks to proprietary software and hardware development, we design solutions tailored to specific production conditions.

The combination of both layers creates a unified platform capable of addressing a wide range of industrial requirements — not limited to a single use case.



Stable quality with fast return of investment



Modular architecture

The system can be easily extended with new functionalities according to evolving needs



Controllable platform

Application logic is built from combinable modules that can be freely chained and modified



One system, endless possibilities

Unified environment for all applications — no need to train personnel on multiple separate systems



Proven ROI

Investment typically returns within 10 months through labor savings and reduced scrap rates



Margin & reputation protection

Systematic quality control eliminates unnecessary warranty costs and strengthens customer trust



References and awards

Trusted by leading industrial companies and recognized at international trade fairs.





SANEZOO®

Teach Cameras to Think

SANEZOO SE
Czech Republic
Vlněna 526/7,
602 00 Brno
+420 604 276 216
sales@sanezoo.com
sanezoo.eu



