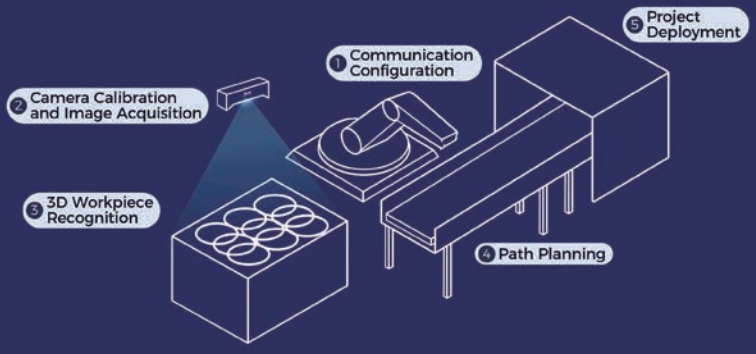
Mech-Vision
Machine Vision Software

Intuitive vision platform software for complex vision applications

Intuitive solution-oriented GUI
Built-in industry-leading algorithms
Various vision tools integrated
Extensive solution library
Easy setup & fast deployment

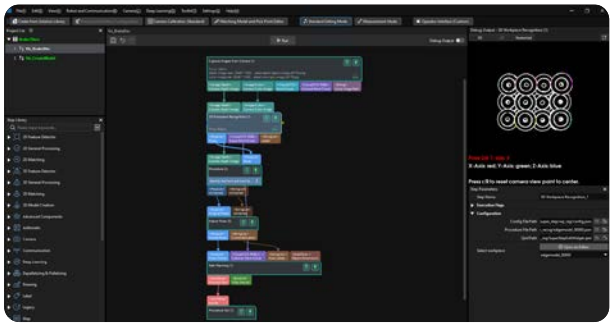
All-in-One Platform Software

The extensive Mech-Vision software manages all project steps, from configuration to deployment, in one system.



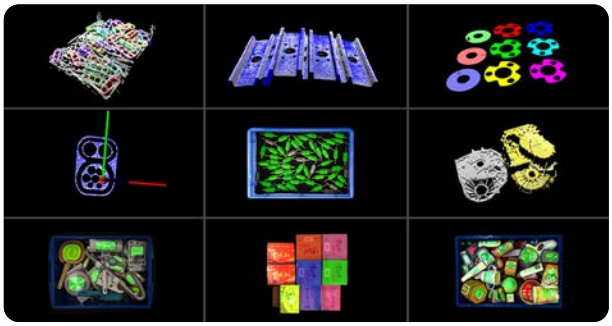
Discover the Benefits of Mech-Vision

Experience the power of Mech-Vision software, designed with a no-code, user-friendly interface. With over 100 real-world cases in our solution library, about 700 pre-integrated robot models, and a range of advanced algorithms, building your most challenging machine vision applications has never been easier.



Intuitive and User-Friendly Interface

An intuitive, solution-oriented GUI, paired with easy drag-and-drop programming, simplifies setup and visualizes each stage of project development.

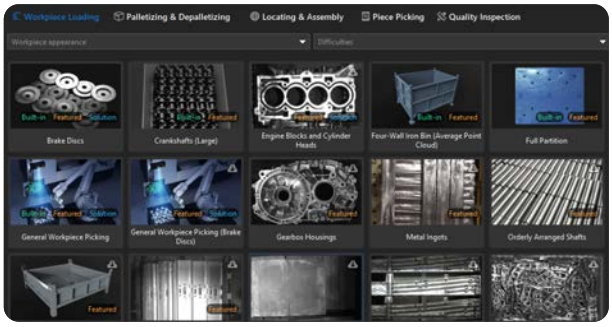


Advanced Algorithms

Our advanced 3D matching algorithms provide fast recognition results in less than 1 second, boasting an impressive accuracy rate of up to 99.8%.

Extensive Functionality

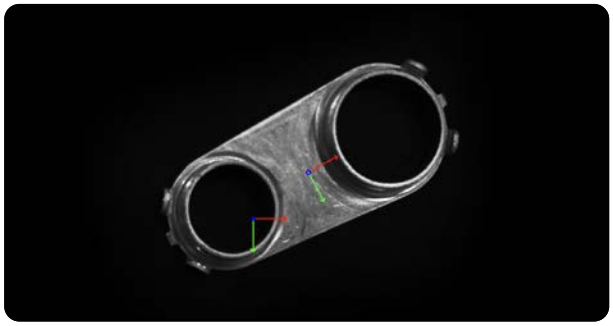
Boost your workflow efficiency with a comprehensive library of about 400 advanced algorithm modules, encompassing pre-processing, as well as 2D and 3D image processing capabilities.



Ease of Use

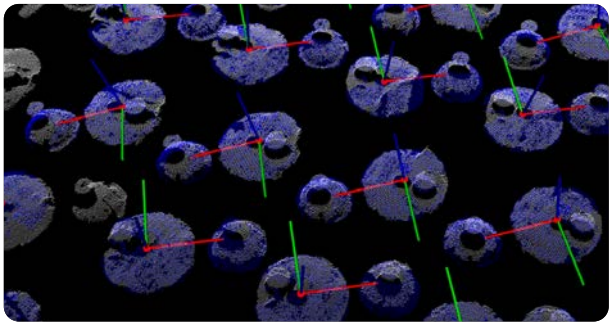
Our solution library offers over 100 real-world cases across various industries, providing a ready-to-use resource for understanding, deploying, debugging, modifying, and maintaining applications with ease.

Powerful Vision Algorithms Accelerate Workpiece Recognition



2D Matching

Achieve accurate sub-pixel matching of objects, even in challenging conditions with low contrast and high noise levels.



3D Matching

Easily identify objects, even those with subtle features, whether they are tightly or randomly stacked, or located in hard-to-reach areas.

Deep Learning

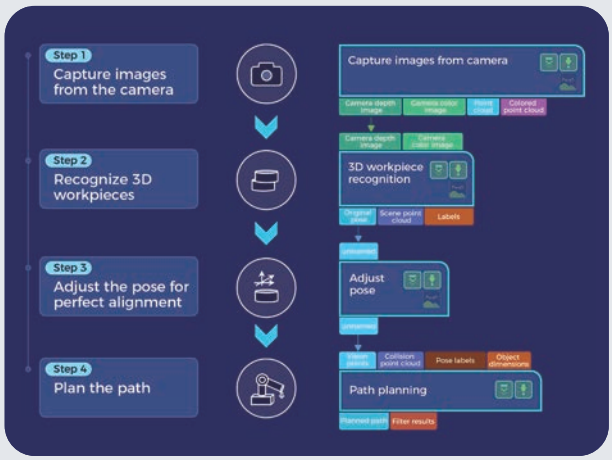
Robustly and accurately identify overlapping or complex objects, even those with difficult-to-detect features and intricate textures.

Inspection & Measurement

Built-in feature extraction tool and self-developed caliper tool to meet a variety of inspection and measurement needs.

Quickly Build Your Projects with General Workpiece Picking Template

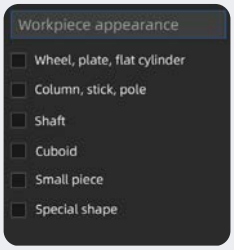
Set up your machine tending project in under 10 minutes with a simple four-step process.



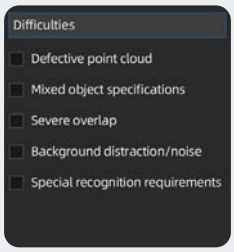
Extensive Solution Library for Faster and Easier Deployment

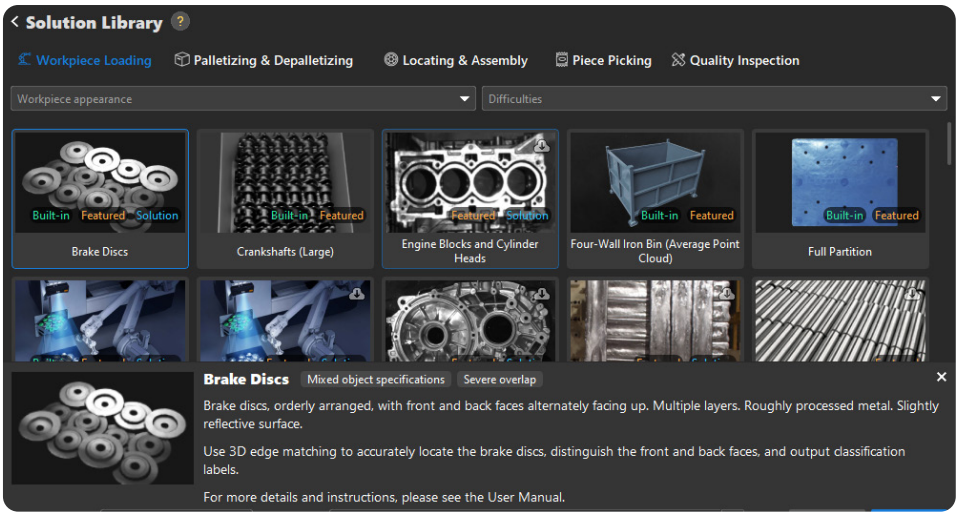
The new Solution Library makes it easy to browse **real-world projects and cases**. With its intuitive graphical interface and pre-installed project templates, you can effortlessly choose and optimize existing applications that best fit your needs, enabling quick and flexible deployment of your new project.

Selecting by workpiece shape



Selecting by project characteristics





Solution card tab

Built-in
The project template will be installed to the local directory from the software installation package.

Solution
Access a versatile collection of ready-to-deploy projects or case scenarios designed to suit a range of needs.

Featured
The project template has undergone extensive on-site testing and is highly versatile.

Suitable for A Large Variety of Industries

Construction Machinery

Automotive

Home Appliance

Steel

3D VISION & AI FOR ROBOTS AND MORE

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