



Visual Inspection Application Guide

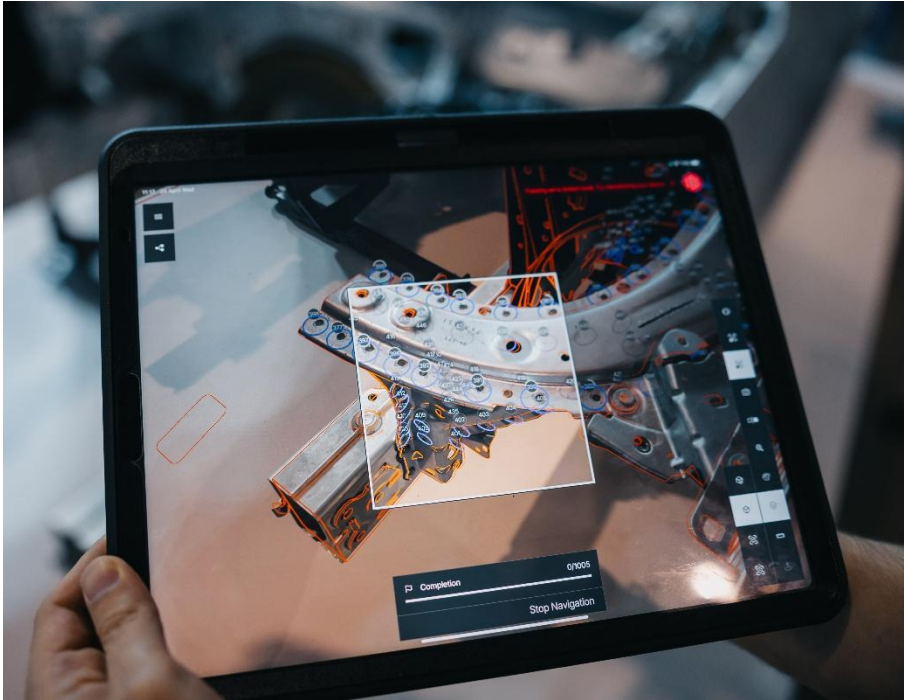
SuPAR AR Inspection Tool

**Interactive Quality Control
Augmented Reality
Artificial Intelligence**



**Save Labor, Costs, and Time.
Enhancing Precision Across Industries**

What is SuPAR?



The Power of AR Visual Inspection

Augmented Reality (AR) Visual Inspection is a game-changing technology that transforms visual inspection during quality control.

Using AR, operators can overlay CAD data onto physical objects. This innovative approach allows for more efficient and effective visual inspection.

With AR Interactive Inspection, operators can easily identify and diagnose problems, drastically reducing inspection time and increasing productivity.

By bringing the virtual world into the real one and comparing 3D to 3D, AR opens up a new frontier in quality control and visual inspection.

Why Use:

Move Quality Upstream

Substantial savings, manufacturing efficiency, and better product quality are the powerful outcomes.

Faster Error Detection

"4x Faster Than Visual Inspections"

SuPAR AR technology can identify issues in real time, allowing for immediate corrective actions. You can detect problems before they become costly and time-consuming to fix.

Flexible, Digital, and Mobile

SuPAR can be used in a wide variety of settings, from manufacturing plants to supplier sites. The flexibility makes it an ideal solution for companies that need to perform inspections in multiple locations.

Reporting & Communication

"A Powerful Communication Tool"

SuPAR allows for complete documentation and reporting of your inspection, transforming communication within your team.

Works in 3 Easy Steps

Software - Composer:

Automatically generates tracking geometry from the CAD data and creates edges for the CAD model to "snap on to" the real part. In addition, users can create inspection templates to guide the inspector, ensuring a comprehensive and efficient process.

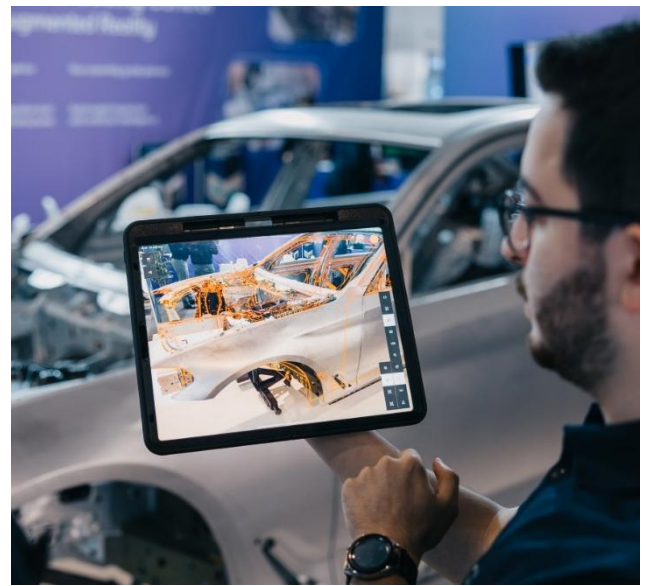
Application - SuPAR:

SuPAR simply on tablet, uses the generated model to align with your part in real-time. Misalignments, defects, and other problems are easily located using the CAD overlay for reference. The app generates a report in seconds and shares it with your internal network.

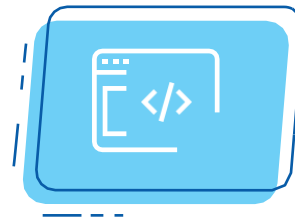
Website - Viewer:

The saved 3D inspection report can be viewed for free on any browser, including mobile devices.

It shows all inspection details, such as photos and notes, directly on the 3D model, making analysis and interpretation more accessible.



The ultimate game changer in visual inspection



Inspection / Review

Rapid and reliable visual inspections with 3D and paperless capabilities.

Documentation / Reporting

Traceable quality control processes, thanks to fast and reliable reporting with SuPAR.



Communication

Flexible, mobile, and remote communication among teams with SuPAR

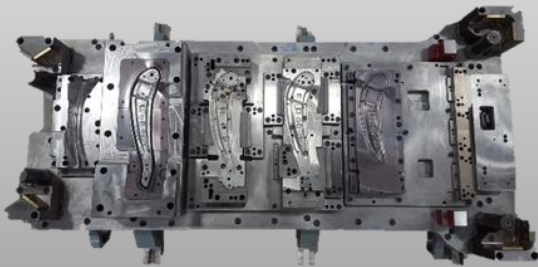
Incredible Time Savings

SuPAR provides 3D to 3D comparison with CAD overlay on real parts, which is up to **80% faster** than traditional 2D drawing processes.

Automotive Use Cases



BIW Targets Inspection



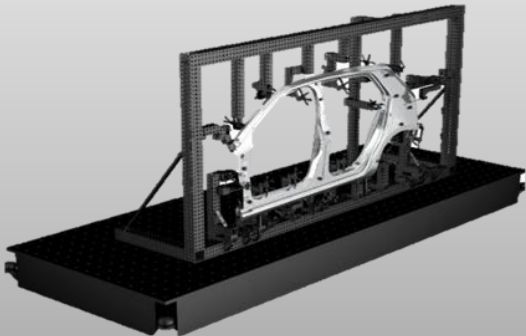
Tool & Die Buy-Off & Check



Tool & Die Press Validation



Supplier Incoming Inspection



Fixture Setup & Check



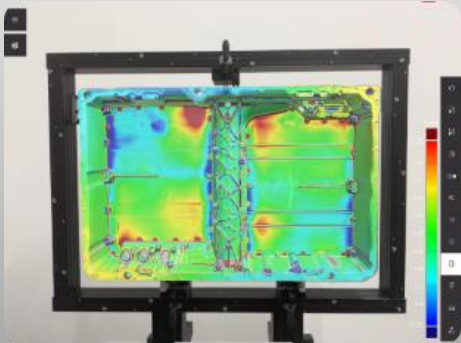
Logistic Rack Inspection



Meisterbock & Cubing

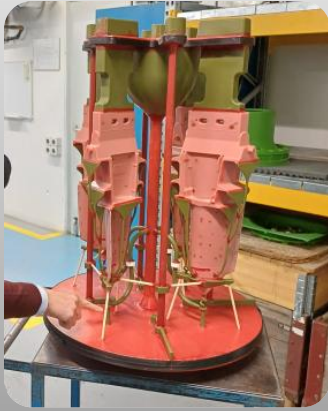


Packaging Assembly Check



Other

Aerospace Use Cases



Investment Casting Wax Model
Geometry Check / Assembly

Structural Components
Check

Fuselage Stage 2 / Wing / Canopy
Assembly Check



Jet Engine Assembly Visual Inspection

Helicopter Body Targets Inspection

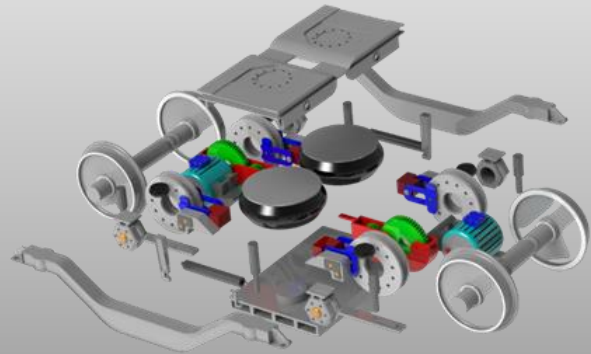


Fixture & jigs assembly & maintenance
geometry check / PDMU



Jet Engine Maintenance and Training

Transportation Use Cases



Welded bodies & Machined parts visual inspection
(Bus, Truck, Railway, Agricultural Machine)



Assembly elements live positioning support
(PDMU)



Plastic parts geometry & assembly check



Fast & safe approval for supplier incoming parts

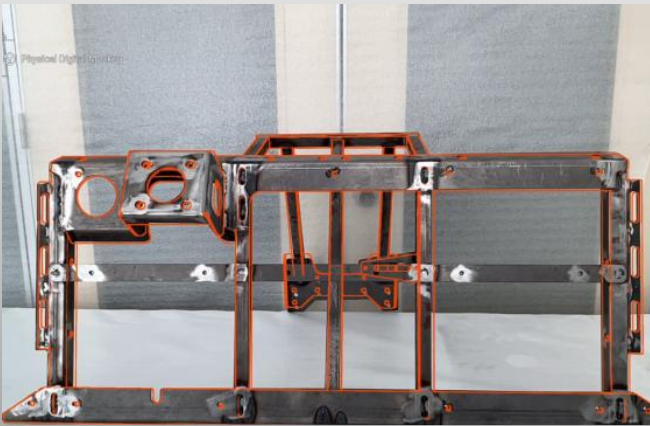


Welding & control fixtures assembly check & maintenance

Heavy Industry Use Cases



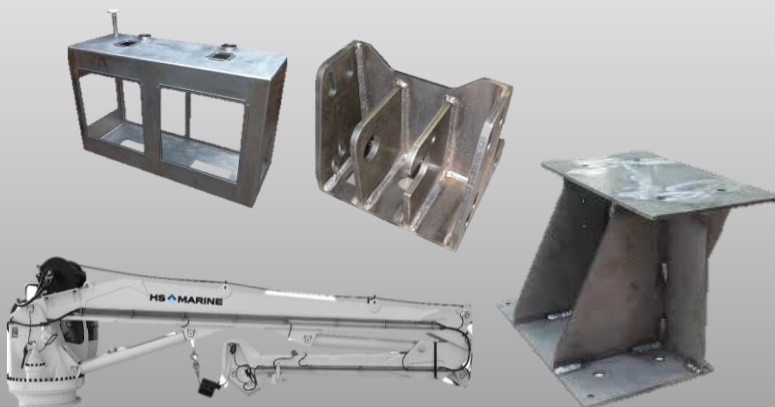
Welded structures & Machined parts visual inspection
(Power Transformer, Boiler, Gas Turbine Engine, Crane, Work Machines, Electrical Cabinet)



Assembly elements live positioning support



Casted Part geometry & assembly check



Fast & safe approval for supplier incoming parts



Welding & control fixtures assembly check & maintenance



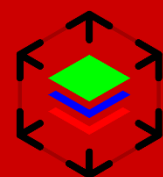
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