ARinspect:

VEHICLE INSPECTION ASSISTANCE SOLUTION

Redefining Automotive Quality Control with Augmented Reality Precision

ABOUT
COMPANY

YeppAR's ARinspect revolutionizes the quality assurance process in automotive manufacturing. With augmented reality (AR), ARinspect overlays critical data on physical vehicle components in real-time. Its advanced insights and immediate defect indicators features enable inspectors to view essential details instantly.

This way, ARinspect offers the automobile industry an intelligent way to visualize/verify assembly specifications, defect indicators, and quality standards directly on vehicles. This ensures a new level of accuracy and efficiency in automotive inspection quality. Let's experience precision and embrace quality with YeppAr's immersive technology-based automobile solution.

KEY FEATURES OF
ARINSPECT

"Empowering Every Inspection with Intelligence."

01 Real-Time Visualization

Empowers inspectors to quickly identify potential issues & make informed decisions on the spot, improving accuracy and efficiency.
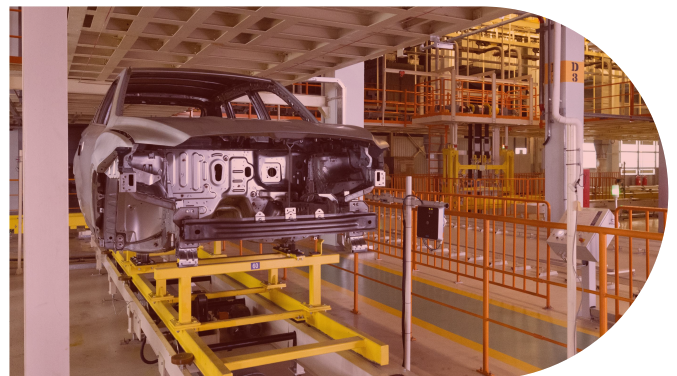

02 Variant Verification

Quickly verify the placement of model-specific components in the vehicle, reduce inspection time & enhance the overall quality.

03 End-of-Line Inspection

With real-time data overlays, inspectors can validate parts according to specifications, enhance the consistency of quality checks, and ensure the best vehicles reach customers.

04 **Evaluate and Certify**

Offers an automated, data-backed validation process to enable quicker certification of vehicles without compromising on quality or standards.

05 **Automated Documentation**

Eliminates the need for manual data entry, reducing human error and ensuring precise, consistent records.

06 **AI-Powered Learning**

Analyze inspection patterns, detect anomalies, and refine detection algorithms for more accurate inspections and quality enhancement.

07 **Data Integration with MES**

Ensuring continuous synchronization & inspection that helps identify potential bottlenecks, optimize workflows & assuring consistency in quality checks.

08 **Error-Free Decision-Making**

Help verify part placements or identify defects, eliminate guesswork, help manufacturers reduce rework & maintain high standards in the production process.

PRODUCT SPECIFICATIONS
FOR ARINSPECT

"Built for the Demands of Modern Manufacturing."

SPECIFICATION	DETAILS
AR Headset	High-resolution display, ergonomic design, supports hands-free use.
Controllers	Wireless controllers with haptic feedback for intuitive navigation and interaction.
Processor	Qualcomm Snapdragon XR2, optimized for AR applications for real-time data processing.
GPU	Adreno 650 or equivalent, supporting high-performance graphics rendering.
Ram	8GB LPDDR5 for smooth multitasking and rapid data processing.
Storage	128GB SSD with expandable options for offline data storage and retrieval.
Connectivity	Wi-Fi 6, Bluetooth 5.0, optional 5G support for real-time data synchronization and remote assistance.
Motion Sensors	6DoF (Degrees of Freedom), accelerometer, gyroscope, and magnetometer.
Environmental Sensors	Depth sensor, ambient light sensor, and temperature sensor for enhanced inspection accuracy.

BENEFITS

"Elevate Standards, Maximize Efficiency!"

Enhanced Efficiency: Reduced inspection times that result in quicker validations, fewer errors & faster decision-making, defects & rework without compromising accuracy.

Real-Time Verification: Enable inspectors to verify components, eliminate delays in the verification process, reduce risks & ensure every vehicle meets quality standards.

Reduced Human Error: Help inspectors detect deviations in specifications instantly. With assembly specifications and defect indicators, ARinspect minimizes the risk of human error.

Streamlined Documentation: Ensures automatic record-keeping, easy access to up-to-date reports, enhances traceability & provides a seamless audit trail for future reference.

Adaptable Learning Curve: Ensures that the system becomes smarter with every use, reducing the potential for errors & increasing the reliability of quality checks.

Comprehensive Insights: Supports proactive decision-making by providing in-depth analysis of inspection trends, defect patterns & workflow bottlenecks.

USAGE

"One Solution, Infinite Quality Assurance Applications!"

- ✓ In Assembly Lines: For seamless component verification.

- ✓ In End-of-Line Inspections: Ensure every vehicle meets quality benchmarks.

- ✓ In Quality Assurance Teams: Ideal for quality engineers overseeing the inspection workflow.

CUSTOMER
SUCCESS STORY

"Driving Success: Mahindra's Journey to Excellence with ARinspect."

Mahindra has embraced ARinspect to transform the inspection process of its KUV and XUV models. The ARinspect app uses augmented reality functionality to instantly allow Mahindra's team to compare parts with ideal specifications. This enables technicians to validate that the correct part is fixed according to the model. This streamlined process has improved part verification accuracy by 30% and cut inspection time by 25%, setting a new standard in quality control for Mahindra.

MES
INTEGRATION

"Powering Efficiency Through Real-Time Data Sync."

ARinspect integrates effortlessly with your MES. It creates seamless, real-time data flow across the production line, resulting in smoother operations, enhanced accuracy and traceability, and improved quality control.

BENEFITS:

- Instant Data Synchronization

- Automated Variant Verification

- Data-Driven Continuous Improvement

- Efficient Workflow Optimization

- Real-Time Defect Traceability

YEPPAR X.O

"Augmented Reality That Understands Your Needs!"

With Yeppar X.O, ARinspect provides added layers of flexibility and integrates effortlessly into your production environment. It includes advanced data customization and a suite of digital inspection tools that enhance ARinspect with insights derived from AR and AI collaboration. Additionally, it supports technicians throughout the inspection, making each process more intuitive and adaptable.

ARInspect
Vehicle Inspection

CONTACT
& SUPPORT :)

"We're Here to Help: Your Support, Our Priority!"

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Request Demo

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