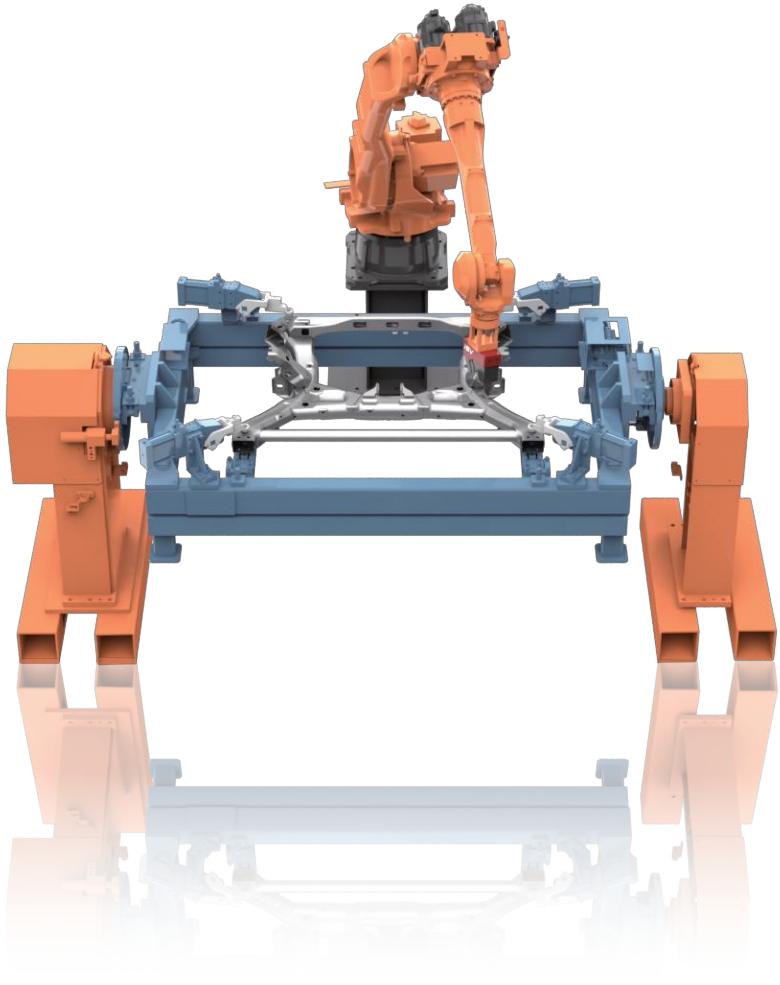
AluCheck

High Precision High Efficiency High Adaptability



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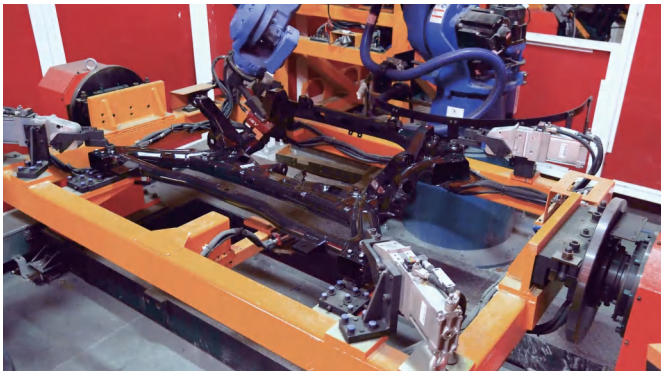
Weld Seam Inspection Solution

OEM:Body shop,Battery Shop;Tier 1 Supplier





ISV weld seam inspection solution,based on laser line 3D scanning technology and AI defect analysis algorithms,have achieved automated inline detection of weld seam surface defects.The system prevents those common issues of subjective evaluations,unexpected false alarm rates or miss rates,and lack of traceability,thereby providing reliable quality assurance for weld seams.

Solution Advantages

01 Quality and Efficiency Improvement

Assists or replaces manual inspections to enhance detection efficiency and weld quality control.

02 Highly Integrated System

Fully integrated to meet inspection requirements for various parts and weld joint types.

03 Data Closed-Loop Management

Provides comprehensive data dashboard to support welding process optimization.

04 Human-Machine Collaboration

Multi-station data fusion enables interactive visualization for rework,facilitating efficient automation on the production line.

Defect Types Detectable

