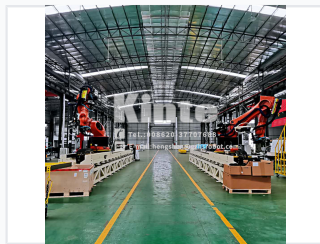
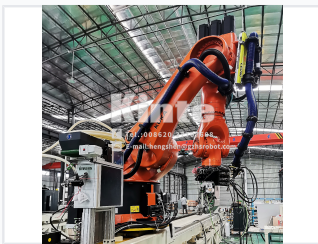


Automated Aluminum Car Body Production Line

This automated production line utilizes industrial robots for manufacturing aluminum car bodies. The system ensures precise welding, assembly, and material handling for high-volume automotive production.



ADDITIONAL IMAGES



Overview

Automated Aluminum Car Body Production Line

This advanced automated production line is engineered for the high-precision manufacturing of aluminum car bodies. It integrates cutting-edge robotic systems with specialized assembly technologies to ensure consistent quality across various vehicle platforms. Designed for high-volume automotive environments, the system enhances efficiency in stamping, welding, and assembly processes.

Technical Capabilities

Joining Technologies

- FDS (Flow Drill Screw / Hot Melt Self-Tapping)
- SPR (Self-Piercing Riveting)
- RSW (Resistance Spot Welding)
- Laser Welding

Supported Vehicle Platforms

Class A, Class B, Class C, SUV, MPV

System Components

Core Hardware

- Rolling machine
- Sliding concrete system
- Rotating roller bed
- Total assembly fixture
- Industrial robotic arms

Control System

Programmable Logic Controller (PLC) based automation

Engineering Scope

Available Engineering Services

Factory Design • Stamping Engineering • Welding Engineering • Assembly Engineering • Inspection