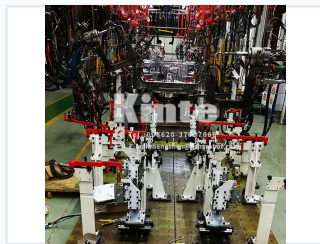


Automated Car Welding Line with Robotic Arms

This automated car welding line uses robotic arms and precision fixtures to efficiently assemble automotive components. Multiple welding stations with advanced controls ensure consistent weld quality and high throughput.



ADDITIONAL IMAGES



Overview

Automated Welding Solutions

This automated welding production line is engineered for high-precision automotive assembly, featuring advanced robotic arms and integrated control systems. Designed for flexibility and high throughput, the system supports complex assembly tasks including floor, side body, and door cover production. It incorporates cutting-edge connection technologies to ensure consistent weld quality and reliable operation in large-scale manufacturing environments.

Technical Capabilities

Production Capabilities

- Floor assembly
- Side body assembly
- Door cover production
- Seat assembly

Welding & Connection Technologies

Laser Welding, Robot Vision System, FDS, RSW, SPR

System Architecture

Primary Assembly Lines

Assembly Line Section

- Lower body welding production line
- Left and right body side welding production line
- Lower body assembly welding production line

System Design Highlights

Modular Design • Automated Control • High Throughput • Precision Fixtures