
DAIHEN (OTC) · Solution Brief

Robotic welding and automation

Welding cells, positioners, seam tracking and thick-plate systems

About this series

As batch sizes and consistency requirements grow, robotic welding becomes the main way to stabilise output and reduce dependence on manual welders. We take on industrial robot integration and application, and the design and manufacture of automated workstations and production lines, integrating DAIHEN (OTC) power sources into the cell.

Technical characteristics

- Design, integration and commissioning of robotic welding cells and automated lines
- Welding positioners and fixture design matched to robot reach and weld position
- Seam tracking and process monitoring options for long weld consistency
- D-Arc deep penetration high-efficiency welding system for thick-plate structures
- Paired with DAIHEN (OTC) full-digital inverter power sources so parameters can be locked in

Typical applications

Thick-plate structures and offshore · Construction machinery parts · Automotive parts · Rail transit · High-volume welding lines

Representative models (4)

D-Arc deep penetration	High-efficiency welding system for thick plate
Robotic welding cell	Integration package tailored to workpiece and cycle time
Positioner and fixture	Designed around robot reach and weld position
Seam tracking and monitoring	Options for long-weld consistency and process records

This document is a selection reference. Models, configurations and detailed specifications follow the technical documentation shipped with the equipment.

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