

WELDING SYSTEMS FOR BRIDGES AND WATER GATES



⑨ Bridge Panel Gantry Type Twin Welding System



Boxing weld bead appearance

- A pair of robots set in opposed positions enable highly-efficient, high-quality twin welding. The new software for boxing welding enable good-shaped boxing weld beads to be obtained.
- The functions for monitor-less continuous operation enable day-and-night automatic welding.
- The two-point-shift ITV camera enables adjustment against dimensional variations in an assembly.
- The dedicated software for bridges develops motion data automatically from FL data and enables the checking of interference avoidance on a personal computer.

<System configuration>

Robot	ARCMAN™-SR (two-robot system)
Slider	Gantry type with three axes (right-left, back-forth, and pivot)
Remarks	Automatic programming software for bridges, ITV camera



⑩ Bridge and Water Gate XL Compact Type Welding System

- The extra large robot model ARCMAN™-XL combined with the compact carriage provides a less space-taking design. Applicable to welding main girders with a width of up to 3 m.
- The robot teaching data can be automatically developed based on three-dimensional data converted automatically from two-dimensional CAD data.

<System configuration>

Robot	ARCMAN™-XL
Slider	Two axes (right-left and back-forth)
Remarks	Automatic programming software for water gates, ITV camera