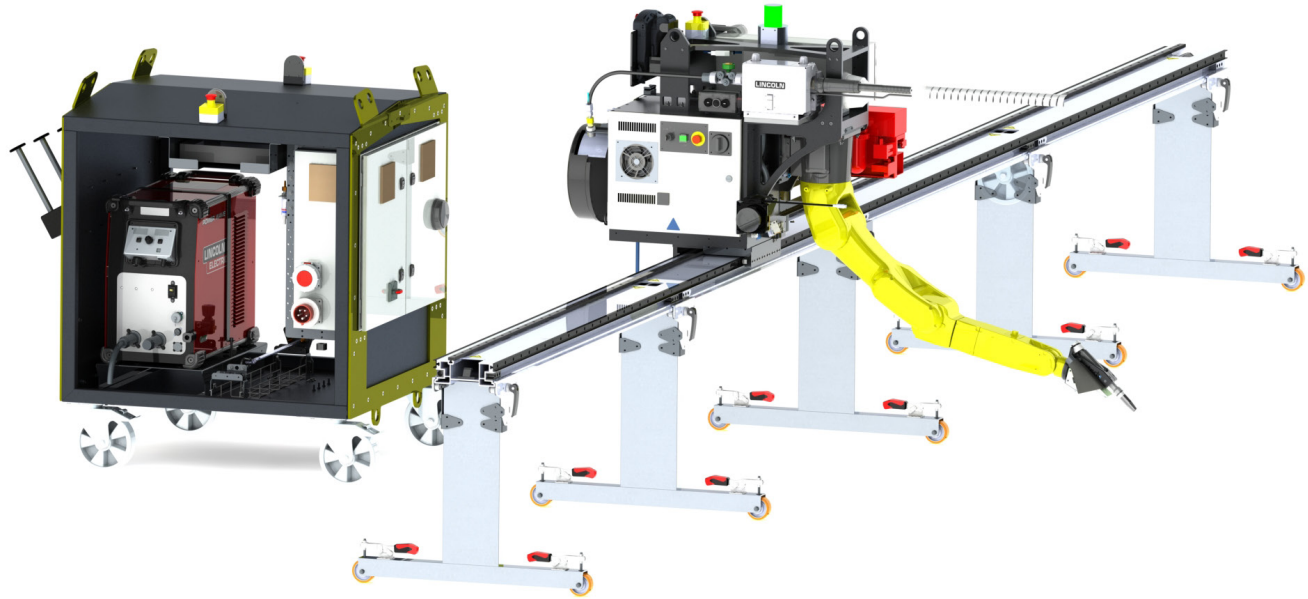


# INROTECH-CLASSIC

## ROBOTIC WELDING SYSTEMS



Renders are for reference only

## INROTECH-CLASSIC ROBOTIC WELDING SYSTEMS

The Inrotech-Classic™ system is both highly adaptable and user-friendly for the shipbuilding industry. It helps reduce the need for CAD drawing transfers, programming, teach-in routines, macro selection, or other complex functions commonly performed by skilled operators. As a fully mobile unit, the robot can be easily relocated within a production environment. Designed specifically for shipbuilding, the system supports a wide range of welding tasks including fillet welds in PB and PF positions, collar plates, brackets, and more.

### SYSTEMS INCLUDES

- FANUC® LR Mate 200iD 7L robot
- FANUC R-30iB Plus controller
- FANUC servo motor
- Power Wave® R450 power source
- Thielmann® BRG-2000 D torch cleaning station with wire cutter

### APPLICATIONS

- Hatch Covers
- Open Deck Assembly
- Open Block Assembly
- Closed Block Assembly
- Offshore Pancake
- Bulkheads
- Web
- Crane Structures
- Bridge Structures

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## KEY FEATURES

### Inrotech-SensLogic Technology

- High welding arc time per operator at low investment
- High number of welding arcs per section at low investment
- Minimal changes to production layout and facility required
- Fast implementation without disturbing production flow
- Adaptable to fluctuations in production workload
- Ease of use and low operator skill requirements
- Minimal need for engineering support or CAD data

### Expertise From Experience

The Inrotech-SensLogic™ library of sensing & welding routines built from shipbuilding and plate has been curated to handle common welds without custom programming.

### Smart Laser Sensing

The system identifies the design feature and selects the appropriate routine from the Inrotech-SensLogic library. It measures the precise positions and adjusts the routine to match the actual dimensions.

### The Human Machine Interface (HMI)

The HMI enables the operator to access all the functionalities available in the Inrotech-Classic system. The HMI itself is very simple and intuitive to use with commands being either icon based or in clear language. HMI commands are in English and select local languages.

## BENEFITS

### The Inrotech-Classic System Gives You Control

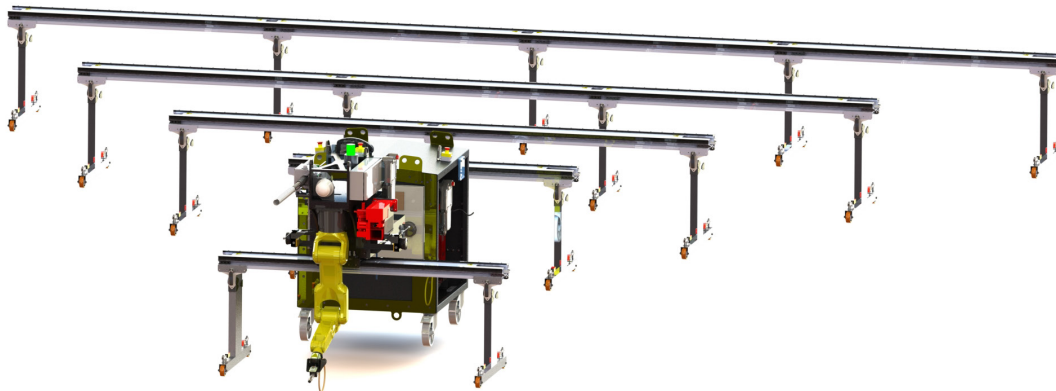
The rail system allows the robot to operate along extended work areas and adapt to various production environments.

### The Power Wave R450 Power Source Makes It Possible

The industry-leading Power Wave R450 power source provides fast travel speeds and low spatter generation.

### Customized Welding Parameters

The WPS data retrieval auto-loads customer-specific settings and includes selected wire and gas for each application.



## PRODUCT SPECIFICATIONS

Product Number	Model Number	Model	Console with Robot Weight	Rail Length	Rail Weight	Welding Machine Frame Weight	Total System Weight
AD2651-2	900001775	Inrotech-Classic System	160 kg	2000 mm	45 kg	244 kg	449 kg

#### CUSTOMER ASSISTANCE POLICY

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