



NAGA WELDERS

Manufacturer of Resistance Welding, Laser, Robotic Welding
Machines & all kind of welding Special purpose machines
(ISO 9001 : 2015)

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UNIVERSAL ROBOTIC GANTRY SYSTEM



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Universal Robotic Welding System

A versatile, high-precision robotic solution suitable for:

- **Laser Welding**
- **MIG Welding**
- **TIG Welding**
- **Laser Cutting Applications**

This system features a **9 to 11-axis articulated vertical robotic gantry setup**, engineered for heavy-duty industrial use.

Key Applications:

- Rail Coach Manufacturing (Sidewall, Roof, Underframe, Bogie Assembly, End Wall etc)
- Automotive and Bus Body Fabrication
- Defense Equipment Manufacturing
- Aerospace Structures and Aircraft Component Integration

System Specifications:

- **Cross Travel:** 2 to 6 meters
- **Long Travel:** 28 meters, extendable up to 80 meters
- **Vertical Travel:** 1 meter to 3.5 meters
- **Accuracy:** 0.3 to 0.5mm
- **Expandable Architecture:** Additional gantries can be integrated on the same track for multi-application operations
- **Flexibility:** Provision for automatic tool changeover (guns, grippers, etc.) based on application-specific requirements

