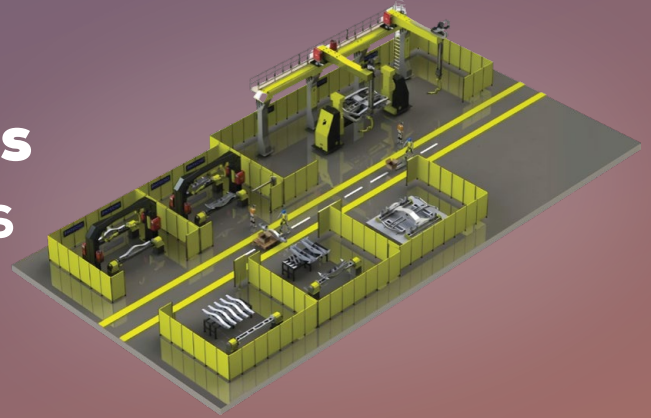




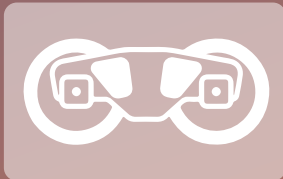
RAILWAY INDUSTRY

Robotic Welding Systems For **Bogie** Manufacturers

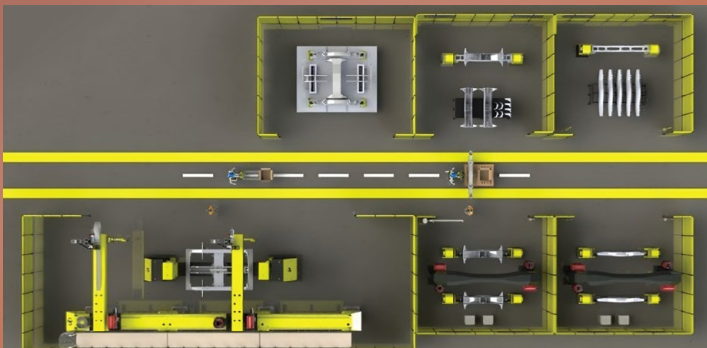


BOGIE SIDE AND FRAME WELDING

- BOGIE FINAL WELDING
- ROBOTIC MIG/MAG WELDING SYSTEMS FOR BOGIE
- VARIOUS ROBOTIC-BASED ASSEMBLY AND JOINING TECHNOLOGIES
- FOR BOGIE (WELDING, MECHANICAL FASTENING, RIVETING, ALDEV, ETC.)
- VARIOUS FIXTURE AND APPARATUS TECHNOLOGIES
- AND SYSTEMS FOR BOGIE



**Precision
engineered
by robots,
trusted by
railways.**



BOGIE is welding a sophisticated automotive chassis using a multi-axis robotic system. Despite the complexity of the chassis design and the varying part dimensions, the team improves the robot's performance by incorporating advanced vision systems and real-time feedback mechanisms. These enhancements ensure precise welding torch positioning and alignment, regardless of part tolerances, leading to high-quality welds and minimizing the need for manual adjustments. This results in a more efficient welding process and consistent quality, meeting the stringent requirements of automotive manufacturing.



RAILWAY INDUSTRY

Robotic Welding Systems For Freight/Passenger Wagon Manufacturers

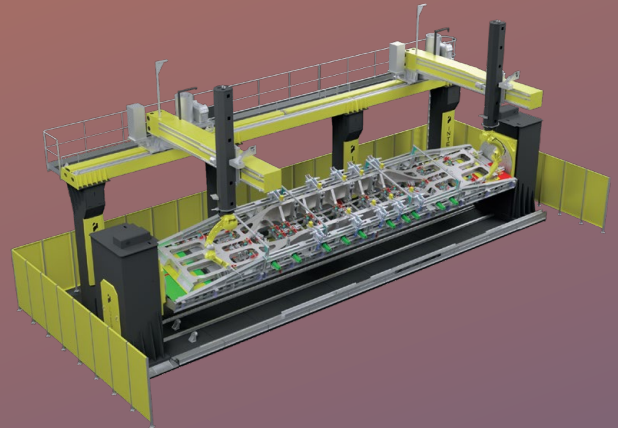
Passenger Wagon (Chassis, Carriage Doors, Panels)

- Suburban Trains
- Intercity Trains
- High-Speed Trains
- Commuter Trains
- Underground Trains (Metro)

Freight Wagon (Chassis, Carriage Doors, Panels)

- Car transport
- Flat
- Hopper
- Intermodal
- Open high sided and covered wagons
- Tank Transportation of steel coils

INTECRO, offers its customers the assembly and body assembly technologies required in the production of **passenger and freight wagons**, locomotives, high-speed trains, suburban trains, subways and trams on a **turnkey** basis.



Unleash the power of robotics in rail



INTECRO, with new generation **robot technologies**; Special laser sensors developed for the welded joining processes of large materials with **aluminum, stainless** and **steel** material structure, which allow geometrical seam tracking, **Offline Programming Software** that allows programming at the PC and facilitates robot programming, wagon industry-specific process software and Tandem / Twin and with single torch welding technologies, it raises your expectations to the next level. Our Gantry Robots in various versions with multi-axis will allow you to improve your **production capability** and **process quality** in stations of hundreds of meters.



Feasibility Studies and Consulting Services



Welding and Assembly Fixtures for Precision



Experience in the Heavy Welding Industry

From design to delivery, robotics drives every step