



# INTECRO

DEFENCE & AEROSPACE



**AEROSPACE R&D SOLUTIONS**  
**AMMUNITION AND ORDNANCE**  
**ROBOTIC WELDING SYSTEMS**  
**WITH HIGH PENETRATION RATES**



## ROBOTIC WELDING SYSTEMS WITH HIGH PENETRATION RATES

- Robotic Gantry Systems for low, medium, and heavy weight Armored Personnel Carriers
- Robotic Gantry Systems Main Battle Tank Welding
- Fixture/Jig Design if needed
- Know-how transfer for Welding Process if needed

**Robotic Welding Systems** are engineered to deliver **high penetration rates, ensuring robust** and precise welds in critical applications. These systems are particularly effective in the fabrication of armored vehicles, offering specialized **Robotic Gantry Systems** tailored to handle the welding requirements of **low, medium, and heavy weight Armored Personnel Carriers (APC)**. For more demanding tasks, such as **Main Battle Tank (MBT)** welding, these gantry systems provide the necessary precision and strength to meet rigorous military standards. In addition to the core welding capabilities, the offering includes fixture and jig design to ensure that each welding operation is optimized for accuracy and efficiency.

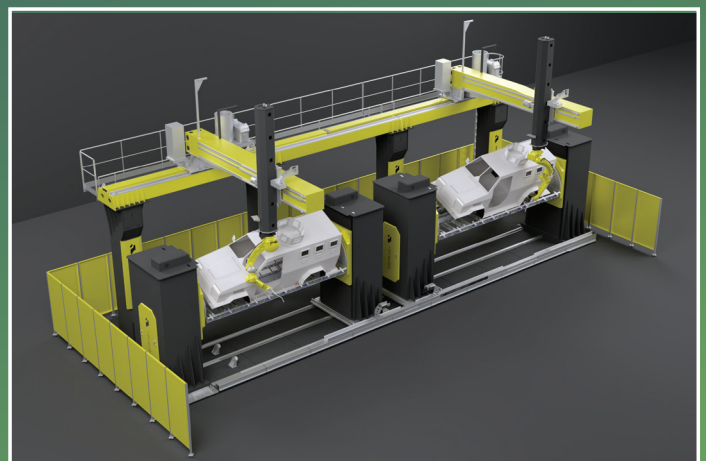


**Welding and Assembly  
Fixtures for Precision**



**Experience in the Heavy  
Welding Industry**

Furthermore, the system includes the option for knowledge transfer, allowing teams to gain critical insights and skills related to the welding process. This can be especially valuable in scenarios where in-house expertise needs to be developed or enhanced. The effectiveness of these Robotic Welding Systems is supported by a proven success rate of up to 98%, reflecting their reliability and performance in real-world applications. This high level of efficiency makes them a trusted choice for industries that demand uncompromising quality and precision.





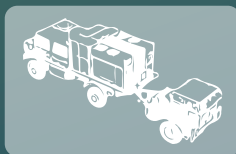
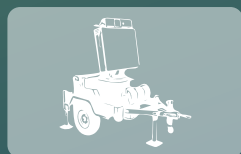
## AEROSPACE R&D SOLUTIONS

- DYE MANUFACTURING (BY 3D WAAM) FOR AIRCRAFT PARTS
- ROBOTIC BASES AND MECHANISMS FOR WIND TUNNELS
- ROBOTIC PAINTING LINES FOR ROCKET PRODUCTION
- RADAR DISH BASES
- MISCELLANEOUS

**“Tailor-Made R&D Solutions  
for State-of-the-Art Military Projects!”**

### Expertise:

- Testing
- Modelling
- Prototype/Design
- Radar Dish Bases
- Telecommunications
- Production Scaling
- Aircraft Parts Design
- Composite Materials



We provide innovative and **tailor-made R&D solutions** for the defense and aerospace industry, aiming to meet customer requirements at the highest level. Our expertise includes dye manufacturing for **aircraft** parts using 3D **WAAM** (Wire Arc Additive Manufacturing) technology, the design of robotic bases and mechanisms for **wind tunnels**, the development of automated robotic painting lines for rocket production, and the production of radar dish bases.

We adopt a holistic approach encompassing **testing, modeling, prototyping, and production scaling** to deliver advanced technology solutions in **aircraft design, radar technologies, telecommunications, and composite** materials. Our solutions are customized and high-performance-oriented, meeting the needs of state-of-the-art military projects.



## AMMUNITION AND ORDNANCE

Scalable Production Lines

### LOW - MEDIUM DIAMETER

(12.7 mm  
25 mm  
35 mm Airburst)

### MEDIUM DIAMETER

(40 mm grenades  
60-81-120 mm  
mortar rounds)

### HIGH DIAMETER

(155 mm artillery rounds and  
457 mm – 2.000 lb  
Bunker Buster bombs)

## Automation for High Capacity and High Precision Production

**Intecro Robotics D&A** delivers state-of-the-art ammunition and ordnance production lines. The product range of those lines vary from 12.7 mm to 35 mm in low/medium diameter; 40 mm to 120 mm in grenades and mortar rounds; 155 mm to 457 mm in artillery and bunker buster rounds.

**INTECRO** aims to provide production scale up while eliminating human labor.



Sample Production Line



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