



Ruiz Aerospace

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ORGANISÉ PAR

EN COLLABORATION AVEC

DANS LE CADRE DE

Ruiz Aerospace

Small size, 18 Highly Qualified Personnel, 3 PhD in composites, mechanical, electronic and software engineers

Market Sectors

- Aerospace, Defense

Products and Services

- Rapid Prototyping of Composite Materials (FMT)
- Out of Autoclave and Liquid Molding technologies
- Extensive use of 3D woven fibers
- Manufacturing equipment based on Industry 4.0
- Characterization and modeling tools for permeability and resin cure kinetics and warpage prediction

Certifications

- ISO 9001, AS9100, Controlled Goods Program

Fast Molding Technology (FMT)

Reformable tool made out of ceramic bath
2 days from drawing to a real part

Capabilities & Needs

- Capability to manufacture carbon fiber parts within 2 days with our Fast Molding Technology (FMT)
- Interest to use FMT in defense applications where the short cycle time becomes a technological advantage
- Looking to:
 - Implement manufacturing of drone parts carbon/glass
 - Develop fast molding of antennas/radomes
 - Develop repair strategies for composites in FMT

FMT made parts



Potential Partners

- Canadian Forces Engineering Support Squadron performing manufacturing and repair of aircraft structures in composites and looking to develop in-house prototyping capabilities
- Defense and security practitioners looking for a new technology to make composite parts quickly

