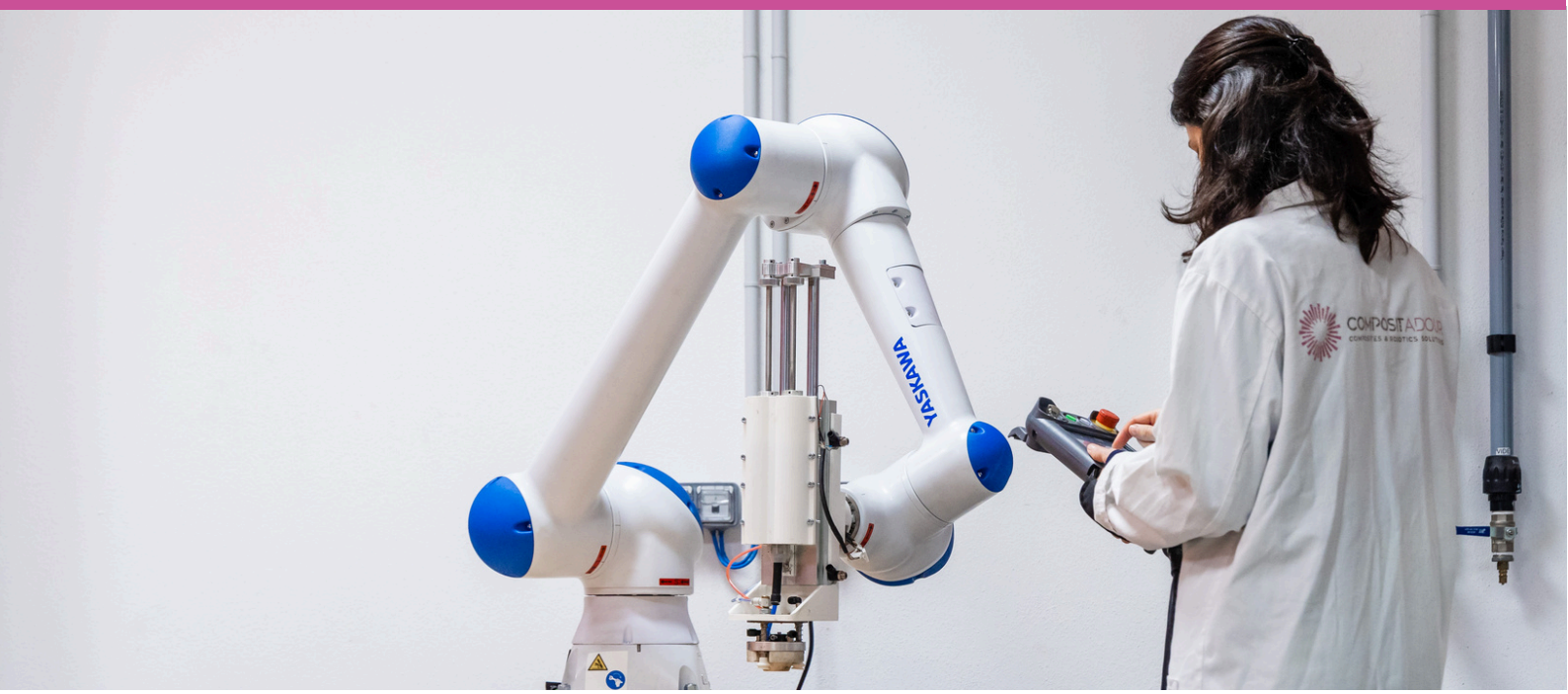
COMPOSITADOUR
COMPOSITES & ROBOTICS SOLUTIONS

RESEARCH & DEVELOPMENT | TRAINING | TECHNOLOGY TRANSFER



ROBOTICS

As part of the Compositadour platform, the robotics division works on the robotisation of processes and their instrumentation for more precise control.

RESEARCH TOPICS

- Referenced sensor control
- Multi-robot collaboration
- Easier programming and operator/robot interaction

SERVICES

Support in drafting a CDC

Design and development of robotic and/or mechatronic systems

End effector prototyping and process instrumentation

Generation of trajectories for specific processes

Training and technology transfer

KEYWORDS
Robotics simulation / Numerical twin / CAM / Off-line trajectory generation / Trajectory correction / Software development / NDT / Ultrasound

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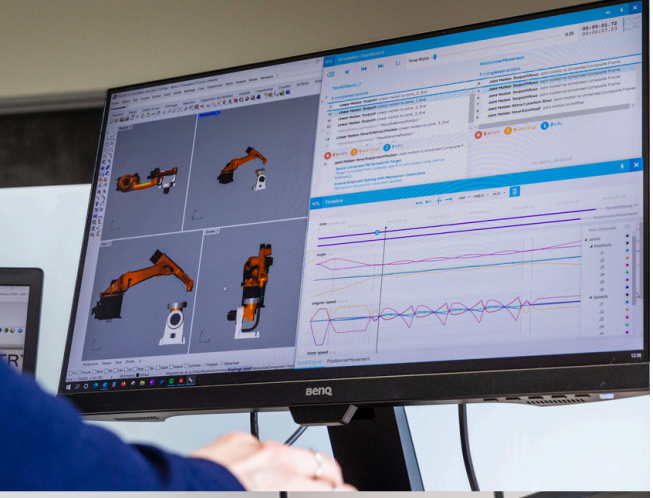

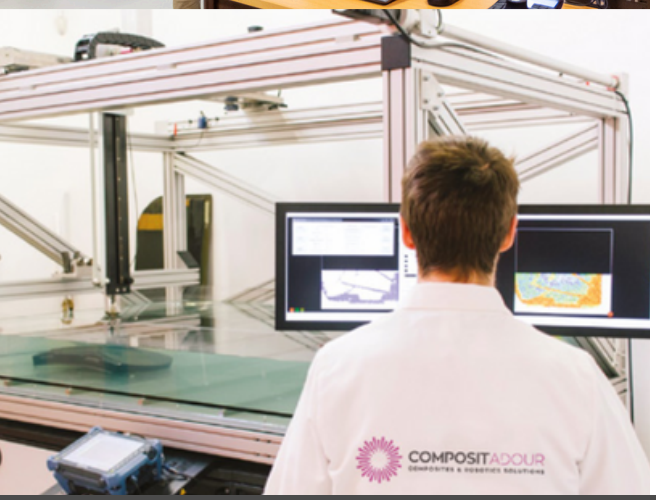

RESOURCES

Software

KUKA AG | KUKA.Sim® - KUKA.WorkVisual®
YASKAWA | MotoSim EG-VRC® - MotoPlus SDK®
STÄUBLI | Stäubli Robotics Suite®

Robert McNeel & Associates | Rhinoceros 3D® &Grasshopper®
HAL Robotics | HAL Robotics Framework
Coppelia Robotics | V-REP®

Microsoft | Microsoft Visual Studio®
QT Group | QT
MATROX | Matrox Imaging

Equipement

Multi-trade cell : machining, polishing, draping, dimensional control

• KUKA KR240 R2900-F robot with vertical positioner, end effector changer and tool changer with suction system

Mobile R&D unit : remote operation, on-line control, NDT, 3D plastic printing, augmented reality

• Robot KUKA KR10 R1100 AGILUS SIXX
• Cobot YASKAWA HC10
• Cobot STÄUBLI TX2-90 L Touch

NDT Composites cell : ultrasonic control in simple through or double transmission

• • COMPUSCAN© - 3axes machine for automated control of complex 3D part

CONTACT

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