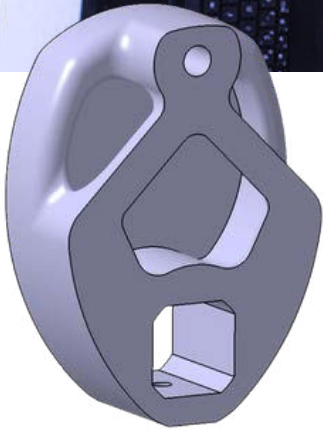




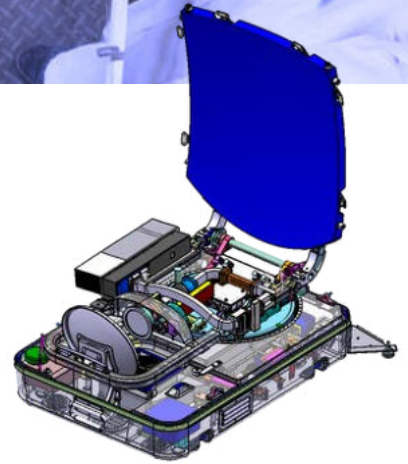
COGIT COMPOSITES

ENGINEERING · R&D · MANUFACTURING



COGIT
INNOVATION LAB®

ADVANCED PROCESS



COGIT
ADDITIVE MANUFACTURING

PRESS KIT
FEBRUARY 2024



A word from Christophe Roua, COGIT Composites CEO

The DNA of COGIT Composites is **creativity**. The company's **young**, dynamic team has been bringing innovation and quality to its customers for **20 years**.

EN9100 certified, the company deals with major aerospace accounts who appreciate its **expertise**. As a small company, COGIT has the advantage of being flexible and **responsive** to its customers. The company is constantly on the lookout for new technologies to provide the very best in innovations such as advanced composites and additive manufacturing.

COGIT participates in collaborative research projects and is committed to the **4.0 industry** approach through innovative processes.



SOMMAIRE

1. About COGIT Composites
2. Overprinting
3. Modal innovation: 3D printing of high-performance polymers
4. COGIT commits to composites recycling

ABOUT COGIT COMPOSITES

COGIT Composites is a **French** company specializing in R&T, engineering and the production of technical composite parts. Since 2005, we have been offering our expertise to numerous companies and **multinationals** (aeronautics, energy, ground transportation, defense, other industries).

COGIT Composites has several activity units:



Composite-oriented creativity, research into multi-material concepts

Prototype and small series production in thermoplastic composites and engineering polymers



3D printing in technical polymers (PEEK, PEKK) with XXL dimensions

ABOUT COGIT COMPOSITES

Did you know?

The **CIR** (Research Tax Credit) is a tax reduction calculated on the basis of R&D expenditure incurred by companies.



They trust us :

AIRBUS

ALSTOM

DAHER

NAVAL
GROUP

LATÉCOÈRE

SAFRAN

DASSAULT
AVIATION

STELLANTIS

MICHELIN

GLOSSARY

Thermoplastic polymer: a family made up of several plastics (PolyAmide, PEEK, PEKK, etc.).

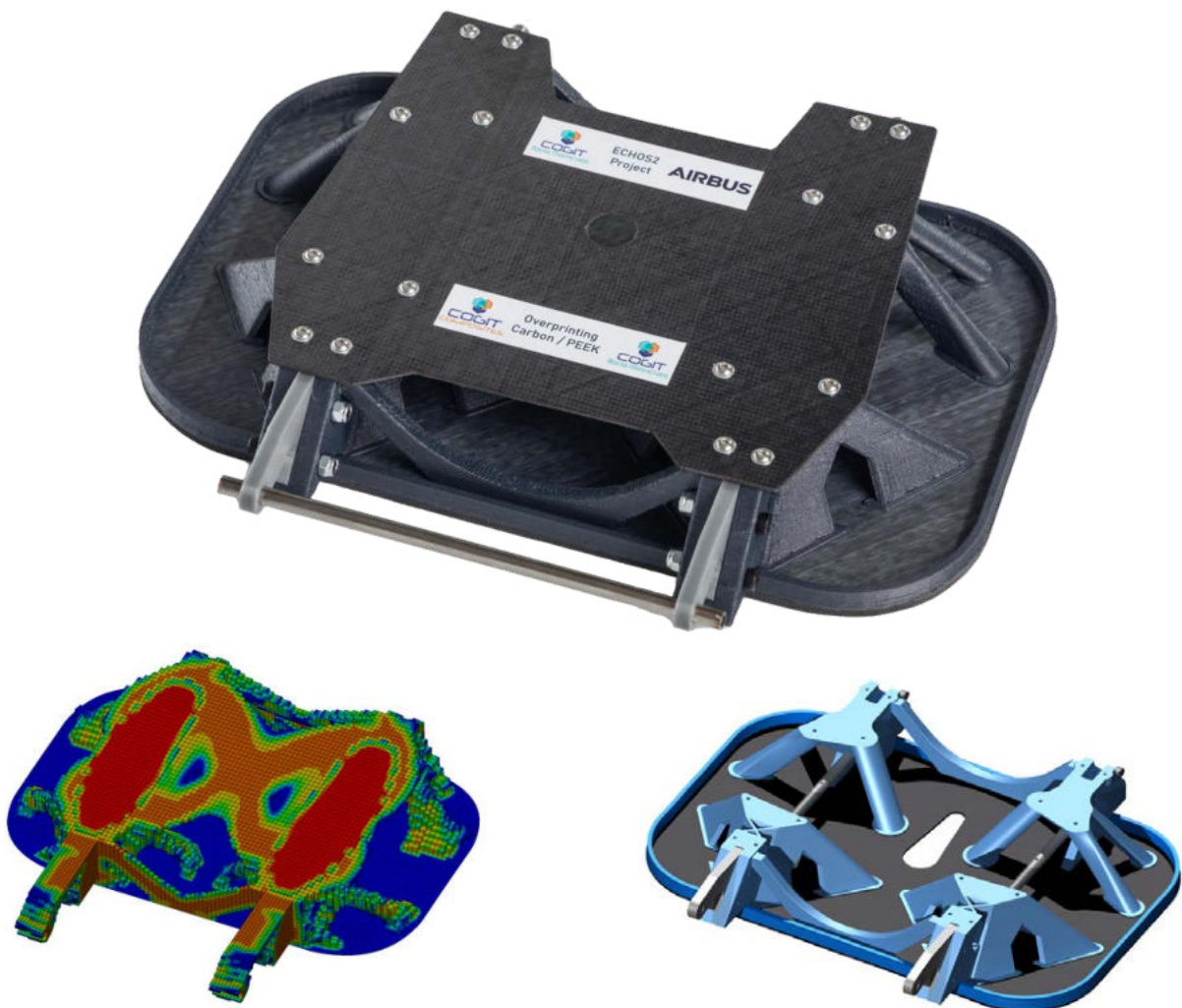
PEEK/PEKK: high-performance thermoplastic capable of withstanding high temperatures and extreme conditions.

OVERPRINTING

The **overprinting** process consists in adding functionalities to a thermoplastic composite using additive manufacturing. This innovative technology makes it possible to weld complex shapes that are difficult to achieve using conventional methods. We are proud to have taken this **world first** from idea to prototype.

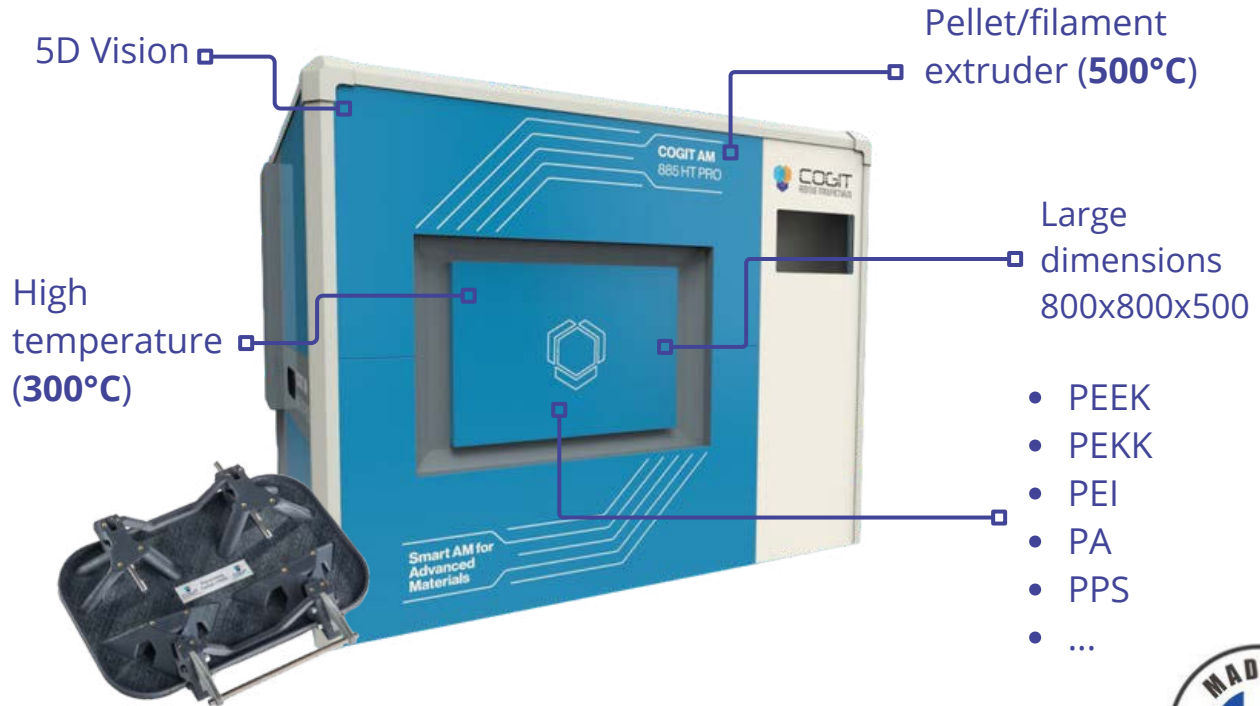
OVERPRINTING IN PICTURES

AIRBUS/COGIT Collaborative Project
Carbon and PEEK overprinting



3. Modal innovation: 3D printing of high-performance polymers

COGIT AM 885 HT PRO PRINTER



PELLET EXTRUDER with exclusive thermal monitoring

3D printing of PEEK and PEKK

FDM process

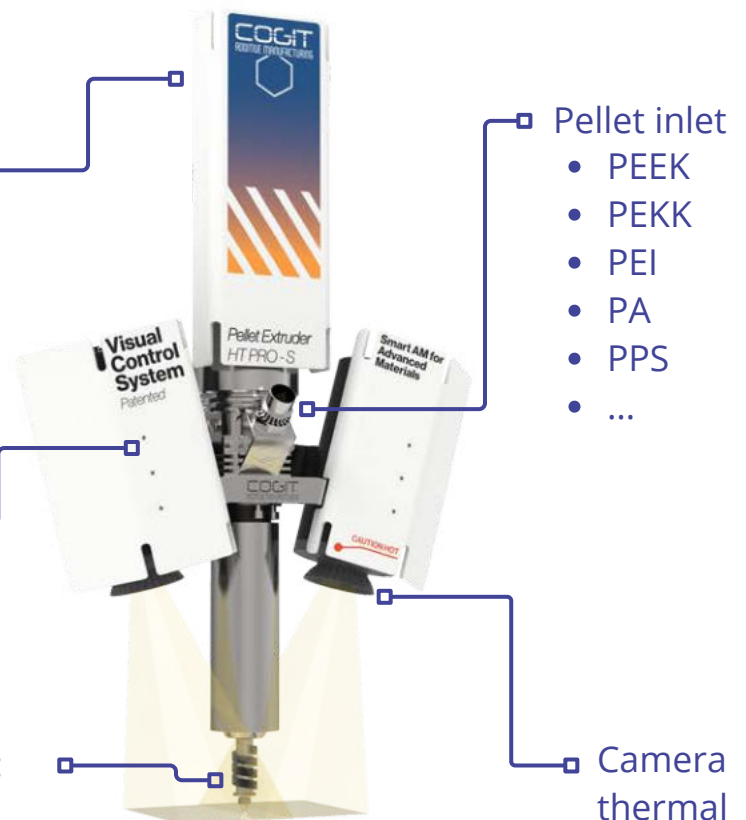


Compatible with all robotic arms



5D Vision

Extruder temperature: 500°C



5. COGIT commits to recycling composites

With innovation as its DNA, COGIT Composites is also committed to an environmental approach, **recycling composite materials.**

This commitment was made possible thanks to a project financed by the Centre Val de Loire region, as well as collaboration with the Polytech'Orléans engineering school and the Plasticompo technology platform.



The aim of the project was to recycle non-conforming parts and production waste to produce new ones.

Recycling can be adapted to different composites based on carbon or fiberglass, etc.

COMPOSITE RECYCLING IN PICTURES

Tray for recycling



Composites for recycling



Finished part : Electric
bicycle hub





COGIT
COMPOSITES

Press contacts

Christophe ROUA
christophe.roua@cogit-composites.com
+33 (0)6 14 15 95 08

Alexia LEVERNIEUX
alexia.levernieux@cogit-composites.com
+33 (0)2 48 24 42 99