

PROJECT

RECYCOMP

Development of equipment for composite recycling process of uncured material

Funding: European (Horizon 2020)

Duration: Jul 2020 - Aug 2023

Status: Ongoing

Total project cost: €786,968

EU contribution: €786,968



[CORDIS RCN : 228439](#)

Objectives:

The RECYCOMP project is focused in the reutilization of uncured scrap material, aiming at preparing it for a subsequent reuse for the manufacturing of functional components. The main activity focuses on the development of an equipment able to recover the uncured scraps coming from lamination process, avoiding the degradation (associated to undesired curing) and preparing the material in a suitable form for the generation of new pre-impregnated material useful for the lamination process of new components.

The main objective of the RECYCOMP project is to develop a machine for the recovery and recycling of CFRP uncured scraps, taking the surplus material coming from lamination and generating new useful pre-impregnated material in a roll.

The machine includes 3 main modules able to: identify the scraps area and fibre orientation; cut the scrap in rectangular chips; and to pick and place the chips in a new backing material for the subsequent use.

Parent Programmes:

[H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport](#)

Institute type: Public institution

Institute name: European Commission

Funding type: Public (EU)

Other programmes: JTI-CS2-2019-CFP10-AIR-02-86 Development of equipment for composite recycling process of uncured material

Lead Organisation:

Fundacion Tekniker

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Organisation Website:

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EU Contribution: €786,968

Technologies:

Manufacturing processes
Automated out-of-autoclave process for CFRP

Development phase: Research/Invention

STRIA Roadmaps: Other specified

Transport mode: Air transport

Transport sectors: Passenger transport, Freight transport

Transport policies: Other specified

Geo-spatial type: Other