

PROJECT

FUN HEAD

Friction stir welding UNiversal HEAD

Funding: European (Horizon 2020)

Duration: Apr 2019 - Mar 2021

Status: Complete

Total project cost: €947,523

EU contribution: €701,249



Call for proposal: H2020-CS2-CFP08-2018-01

[CORDIS RCN : 221190](#)

Objectives:

The project aim is to design, manufacture and set up a special universal FSW head for all CNC machines. This FSW head will include a force control system and mechanisms to use retractable pin and stationary shoulder tools.

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-CS2-2018-CfP08-AIR-02-65 Design of special welding head for FSW process with automatic adjustable pin and welding force control system [SAT]

Lead Organisation:

Avantis Project

Address:

12 ROUTE DE ST MATHIEU
06130 GRASSE
France

EU Contribution: €365,013

Partner Organisations:

Stirweld

Address:

1 RUE JEAN DE THEVENOT - ZAC CHAMP DAGUET
35760 SAINT GREGOIRE
France

EU Contribution: €209,627

Association Pour La Recherche Et Le Développement Des Méthodes Et Processus Industriels

Address:

Boulevard Saint Michel 60

75272 Paris
France

Organisation Website:

<http://www.armines.net>

EU Contribution: €126,609

Technologies:

Manufacturing processes
Orbital friction welding process

Development phase: Research/Invention

STRIA Roadmaps: Vehicle design and manufacturing

Transport mode: Air transport

Transport sectors: Passenger transport, Freight transport

Transport policies: Other specified

Geo-spatial type: Other