



IDEA

Industrialisation of adiabatic cutting

BUDGET

€1,301K

GRANTS
OBTAINED

€438K

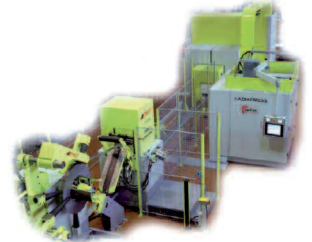
ITC FUNDING

2010 - 2012

THE PROJECT

The phenomenon of adiabatic cutting creates very strong dynamic stresses on tool components. The experimental stages of the R&D process have enabled great progress to be made: from a life span of a few tens of parts at the beginning of the project to a few tens of thousands of parts now. However, to make progress and to be able to achieve this objective repeatedly, it is necessary to conduct an R&D programme with a scientific component in order to understand the dynamic phenomena to which the different parts of the tool are subjected and the interaction with the machine, an application R&D component to optimise the design of the tools and finally an industrial application phase on real cases to qualify the process in terms of its reliability (sensitivity to variability in the input parameters, part quality depending on tool wear,...).

ViaMéca
French mechanical cluster



PROJECT SPONSOR

CETIM

Hédi SFAR

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R&D PARTNERS



SME PARTNERS



GROUP PARTNERS

