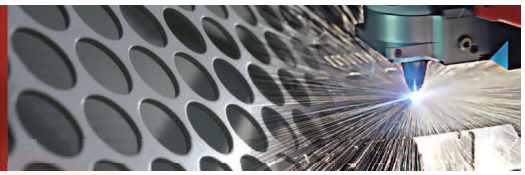
AMP (ADVANCED MANUFACTURING PROCESSES)



FAMOµS

Fabrication of Amorphous Metal Objects of µSize

BUDGET	€595K
GANT OBTAINED	€276K
ANR FUNDING	2012 - 2014

THE PROJECT

The race to miniaturise systems is an undeniable technological, industrial and commercial challenge. The manufacturing of complex parts with volumes of the order of 1 mm3 is particularly important in fields such as watchmaking, medical devices for non-invasive surgery, micro devices for control and analysis, chemical microreactors, etc.

Although the manufacturing of such micro parts with polymers is well developed thanks to plastic micro-injection moulding techniques, the manufacturing of metal micro parts remains limited.

The FAMOUµS project proposes an original solution that enables complex micro parts to be made of amorphous metal alloys with volumes of around 1 mm3, with excellent surface qualities as well as extreme dimensional accuracy.

ViaMéca
Pôle de compétitivité mécanique

PROJECT SPONSOR

LABORATOIRE SIMAP

Jean-Jacques BLANDIN
CNRS Research Director
jean-jacques.blandin@simap.grenoble-inp.fr
1130 rue de la Piscine - BP 75
F-38402 ST-MARTIN D'HERES CEDEX

http://simap.grenoble-inp.fr/

CO-ACCREDITING CLUSTER

ARVE INDUSTRIES
du décolletage à la mécatronique
haute-savoie mont-blanc

R&D PARTNERS

SiMaP

SME PARTNERS

Floralis
Cultivons l'innovation