



ARROW

Accurate and Rapid Robots
with large Operational Workspace

BUDGET

€2,067K

GRANTS
OBTAINED

€800K

ANR FUNDING

2011 - 2015

THE PROJECT

The ARROW project is a programme of research, validated by experimental trials, that aims to remove the technological obstacles that are currently limiting the productivity of certain robotised applications requiring a high level of accuracy combined with high acceleration capacities. It follows on from the ANR Objectif 100 g project and is part of the EquipEx RobotEx initiative.

The aim is to design and manufacture robots capable of reaching an acceleration of 20 g with an absolute accuracy of under 20 μm within a parallelepipedal workspace with edges measuring 1 m.

The applications concerned will be laser or water jet cutting and the assembly of microcomponents.

ViaMéca
Pôle de compétitivité mécanique



PROJECT SPONSOR

IRCCYN (INSTITUTE FOR RESEARCH
INTO COMMUNICATIONS AND CY-
BERNETICS, NANTES)

Dr Sébastien BRIOT

CNRS research officer
sebastien.briot@irccyn.ec-nantes.fr

1 rue de la Noë – 44321 NANTES

www.irccyn.ec-nantes.fr

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