

Additive.MILLING

Add Milling to Additive Manufacturing

CONCEPT

The main purpose of additive.MILLING is to produce molding zones or inserts of high geometric complexity, minimizing the use of EDM. The solution will be to use additive processes (AM) dedicated to the processing of metallic powders consisting of components with high quality finish.

Start date: January 2016

End date: January 2018

Project Coordinator:



Partners:



OUTPUT

additiveMILLING.process

addMILL.holder

addMILL.soft

addMILL.cooling

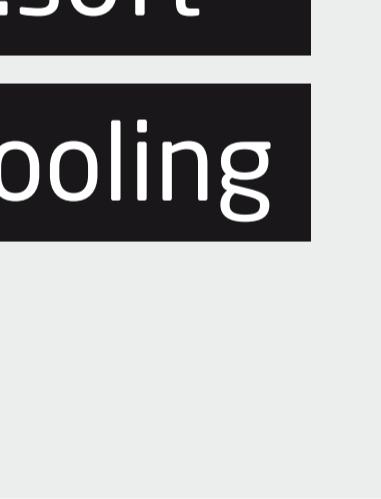
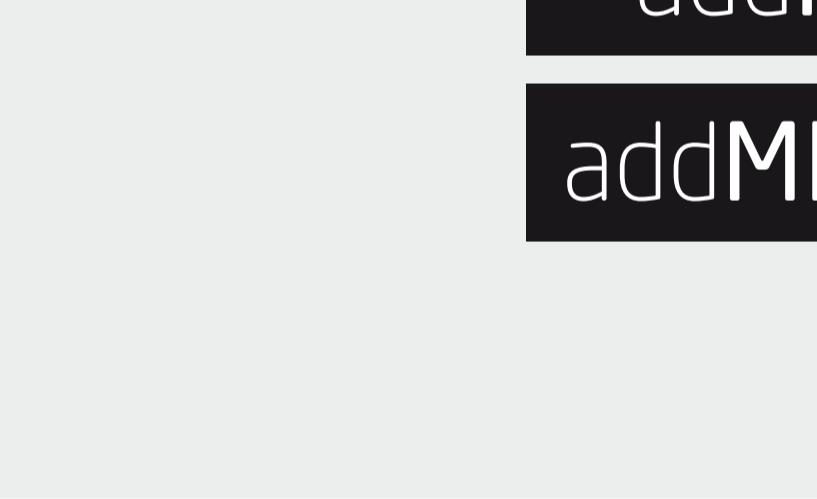
addMILL.tools

addMILL.parts

OBJECTIVES

Software and processes integration

An integrating tool between SLM, milling and automatic positioning systems must be developed



The application must calculate the z-amplitudes to be produced by SLM with respect to existing tools (length / diameter relationship) and machining parameters

Subtractive additive integration

addMILL.holder

AUTOMATIC HOLDER

MILLING

add.MILL molds and components

Highly accurate and technical components and molds

addMILL.tools

addMILL.parts

Mold Inserts with conformal cooling channels

GLN Molds

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Additive.MILLING

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