

Shaping of functional and design surfaces by laser remelting (WaveShape) - Extension

Initiative: Herstellung funktionaler Oberflächen (beendet)

Bewilligung: 11.07.2012

Laufzeit: 2 Jahre

The project WaveShape aims to utilise and expand the special benefits of the new active principle for industrial manufacturing based on the promising results from the FluidStruc project regarding the following aspects: Elaboration of a broad understanding for the structuring by laser remelting due to vapour pressure process by theoretical and experimental work; Extension of the spectrum of producible structures; Reduction of processing time and increase of process efficiency; Apply structuring process for 3D shapes of tools; Extend the spectrum of processable materials fitting for possible applications; Predict the microstructure and mechanical properties dependent on the process parameters which influence the time-temperature-history during the remelting process.

Projektbeteiligte

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