

# Selective Laser Melting

## EXPERTISE

### Selective Laser Melting:

- Development of various materials for selective laser melting
- Design and simulation for selective laser melting, e.g. final parts production with improved functional part characteristics
- Processing-microstructure-property relationship in selective laser melting
- Hybrid additive manufacturing
- Advanced materials and structures fabricated using selective laser melting

## Machines

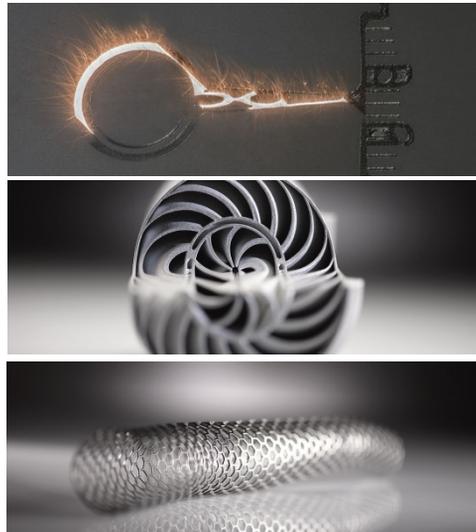
- Concept Laser Mlab (100 W laser)

**CONCEPTLASER**



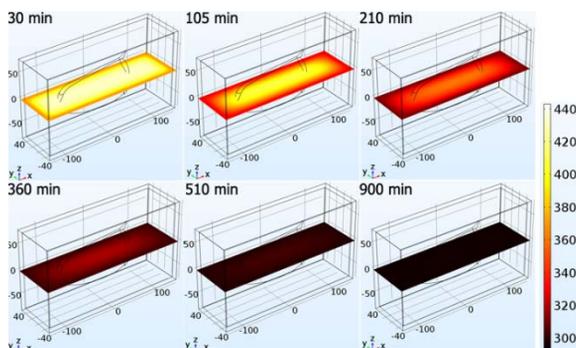
MlabR cusing

## Metal components (Concept Laser)



## Design and simulation

- Cooling process of additive manufacturing



## Powder & microstructure characterisation

- In-situ nano-TiB<sub>2</sub> reinforced Al alloy powder

