

AMAP

New applications of additive manufacturing in the regional technology cluster 2020-2021

Vipuvoimaa
EU:lta
2014–2020



Euroopan unioni
Euroopan aluekehitysrahasto



Etelä-Savon
maakuntaliitto



Kaakkois-Suomen
ammattikorkeakoulu

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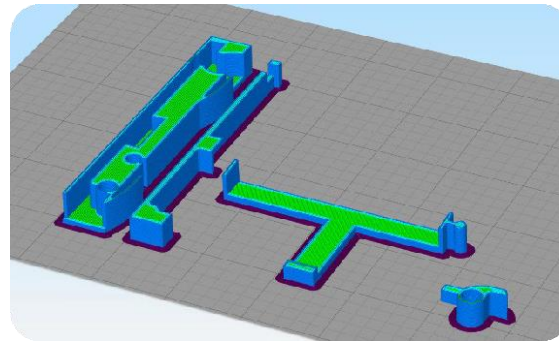


AMAP

3D printing technology opens up the possibility of producing new types of solutions for products, structures and manufacturing processes.

The AMAP project identifies and implements cases where 3D technology enables a new approach to product design and fabrication. This creates the conditions for a new business opportunities.

In addition, a new competence center and network for regional actors will be created in Southern Savonia.



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Equipment



miniFactoryUltra



MARKFORGED MARK TWO



BRINTER® 3D BIOPRINTER



ASIGA PRO 4K65
(Ordered)

**Creaform
Handyscan307**



About materials available for these printers

- **miniFactory Ultra** 3D Printer has advanced heated chamber up to 250C which unlocks the whole material range for your use. From commodity and engineering polymers all the way up to the most demanding high-performance polymers.
- **The Mark Two** has two extruders to combine two printing materials: a plastic base (Nylon or Onyx) and a reinforcing composite material including: carbon fiber filament, fiberglass filament, fiber filament of HSHT glass and Kevlar filament.
- **Brinter™**, combines several 3D printing technologies into a single device enabling genuine multi-material printing of materials ranging from pastes and gels incorporating living cells to granulates of plastic-free cellulose or metal injection molding (MIM) materials.
- **Asiga** has validated a number of **Henkel's Loctite 3D** branded materials for use on its open material desktop MAX and large-format PRO 4K series stereolithography printers.

