

Plastic-Laser Sintering Plant

Plant of NRW Central Laboratory for Battery Technology

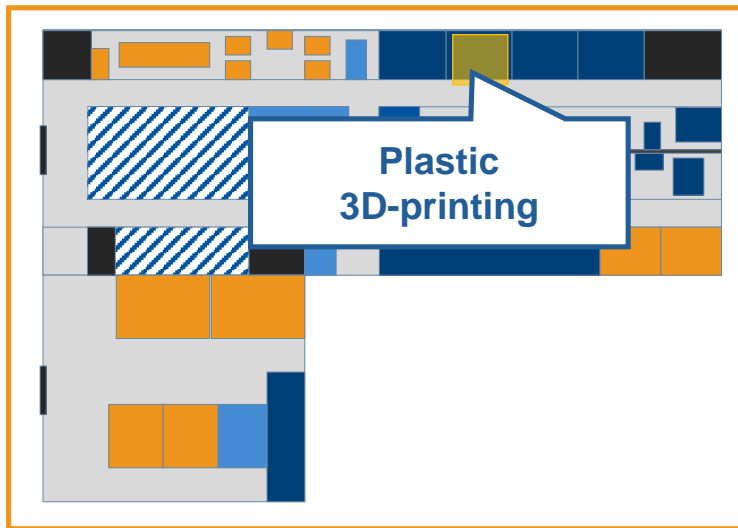


Costs:

Hourly rate:
18,40 €

Daily rate:
441,62 €

Technical specifications



Building No. 4733, Ground floor, Room No. 034

Plastic-Laser Sintering Plant of the type Formiga P110:

Technical specifications

Installation space (L x B x H)	200 x 250 x 330 mm (minus pyrometer measuring spot)
Laser	CO2, 30 W
Build up rate	up to 20 mm height/hour
Coating thickness (depending on material)	0,06 mm; 0,1 mm; 0,12 mm
Min. wall thicknesses	0,4 mm
Supporting structures	not necessary
Max. Scanning speed	up to 5 m/ Second

Qualifications required for operation

- Introduction to the machine by the rental company
- Knowledge in the use of Materialise Magics

Fields of application

Powder-based laser plastic 3D printing for highly complex components

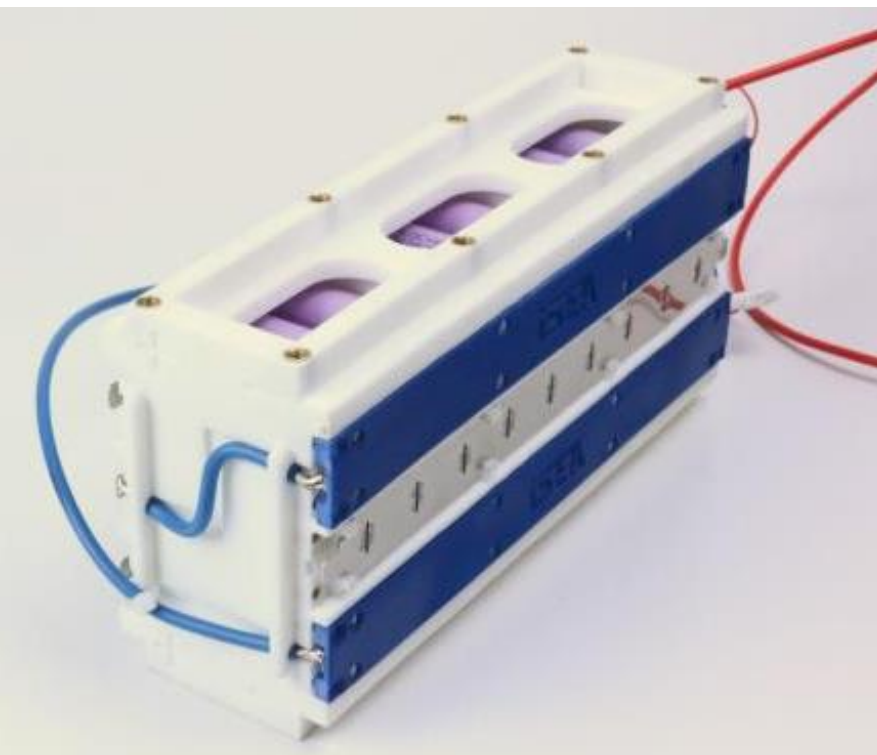
- Material PA12 suitable for direct use in the product (without finishing)
- No support structures necessary - allows highly complex geometries
- Very small structure sizes possible
- Low directional dependency of the components in the building process
- Closed system - easy operation

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Stromrichter-
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