



**Naziv uređaja**  
SLS 3D štampač

**Apparatus**  
SLS 3D printer

**Proizvođač i model/The manufacturer and model**  
Sintratec, Švajcarska, Sintratec SLS / Sintratec, Switzerland, Sintratec SLS

**Kratak opis metode**  
3D štampač se zasniva na selektivnom laserskom sinterovanju praška. 3D objekat se stvara sloj po sloj.

**Short description of the method**  
The 3D printer is based on selective laser sintering of powder. 3D object is created in layer by layer process.

**Tehničke karakteristike**  
3D štampač poseduje dve komore. U levoj komori dolazi do stvaranja 3D objekta, a u desnoj komori se nalazi rezervoar praška. Za svaki sinterovan sloj, rezervoar se pomera ka gore, a desna komora ka dole i valjak nanosi nov sloj praška sa desna na levo. Ceo proces se ponavlja dok se ne formira zadati 3D objekat. Temperatura se može podešavati do 180°C i brzina lasera do 500 mm/s

**Technical characteristics**  
The 3D printer has two chambers. The 3D object gets printed on the left chamber. The reservoir of new powder is on the right chamber. For each layer to be sintered, the reservoir chamber moves one layer up, the right chamber moves one layer down and the roller applies the new powder layer from right to left. Process is repeated until a full 3D object is created. It is possible to adapt temperature up to 180°C and laser speed up to 500 mm/s.

**Primena i tip uzorka**  
Koristi se za razvoj prototipova u različitim oblastima, u zavisnosti od vrste početnog materijala.

**Application and sample type**  
Developing prototypes in different areas, depending on the type of starting material.

**Osoba za kontakt / Contact person**  
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**Link ka uređaju na sajtu proizvođača / Link of the product on the manufacturer's website**  
<https://sintratec.com/product/sintratec-kit/>