

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Metal 3D printing processes via selective laser sintering: the alloy powder was first packed in a raw material vat and the base plate was mounted under the laser source; then, modeling data of the virtual reactors were set in the control system, and the reactors were rapidly printed on the base plate; after removing the residual alloy powder, the reactors were obtained by dismounting the base plate.