

Materials List for:

Fused Filament Fabrication (FFF) of Metal-Ceramic Components

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Materials

Name	Company	Catalog Number	Comments
Zirconia	TZ-3YS-E	Tosoh, Europe B.V.	
Stainless steel	UNS17400 -38 µm	Sandvik Osprey Ltd.	
Table of Devices and Software			
slicing software	Simplify 3D	Simplify 3D, USA	
roller rotors mixer	Plasti-Corder PL2000	Brabender GmbH & Co. KG, Germany	
3D printer	model Ceram	HAGE, Austria	
cutting mill	SM200	Retsch GmbH Germany	
corotating extruder	ZSE 18 HP-48D	Leistritz Extrusionstechnik GmbH, Germany	
laser measurementdevice	Diagnostic Laser 2010	SIKORA AG, Germany	
capillary rheometer	Rheograph 2002	Göttfert Werkstoff-Prüfmaschinen GmbH, Germany	
single screw extruder	FT-E20T-MP-IS	Dr. Collin GmbH, Germany	
tungsten furnace	Hochtemperatur-Wolframofen WOHV 250/300-1900V	MUT Advanced Heating GmbH	
debinding furnace	Retorten-Entbinderungssofen RRO 280 / 300-900V	MUT Advanced Heating GmbH	
attrition mill	PE 1.4	Erich NETZSCH GmbH & Co. Holding KG, Germany	
PBM (planetary ball mill)	PM 400	Retsch GmbH, Germany	