

Materials List for:

Additive Manufacturing of Functionally Graded Ceramic Materials by Stereolithography

Pablo Gonzales*¹, Eric Schwarzer*², Uwe Scheithauer², Norbertus Kooijmans¹, Tassilo Moritz²

¹Admatec Europe B.V.

²Fraunhofer Institute for Ceramic Technology and Systems IKTS Dresden

*These authors contributed equally

Correspondence to: Uwe Scheithauer at Uwe.Scheithauer@ikts.fraunhofer.de

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Materials

Name	Company	Catalog Number	Comments
Taimicron (TM-100D)	Taimei Chemicals Co Ltd., Japan	...	alumina (commercial)
BYK LP C22124	BYK-Chemie GmbH, Germany	...	dispersant
Mastersizer 2000	Malvern Instruments Ltd., United Kingdom	...	laser diffractometer
TriStar 3000	Micromeritics Instrument Corp., USA	...	adsorption/desorption
Pulverisette 5/4 classic line	Fritsch GmbH, Germany	...	planetary ball mill
Thinky ARV-310	C3-Prozesstechnik, Germany	...	high-speed planetary ball mill
Modular Compact Rheometer MCR 302	Anton Paar, Graz, Austria	...	rheometer
UV-LED Smart	Opsytec Dr. Gröbel GmbH, Germany	...	blue LED
prototype	Admatec, Netherland	...	Admaflex
NA120/45	Nabertherm, Germany	...	debinding furnace
LH 15/12	Nabertherm, Germany	...	sintering furnace
Gemini 982	Zeiss, Germany	...	FESEM