Accepted Manuscript

Title: Densification behavior of pure Zn metal parts produced by selective laser melting for manufacturing biodegradable implants

Authors: Peng Wen, Lucas Jauer, Maximilian Voshage, Yanzhe Chen, Reinhart Poprawe, Johannes Henrich Schleifenbaum

PII: S0924-0136(18)30106-7

DOI: https://doi.org/10.1016/j.jmatprotec.2018.03.007

Reference: PROTEC 15677

To appear in: Journal of Materials Processing Technology

Received date: 24-1-2018 Revised date: 12-3-2018 Accepted date: 13-3-2018

Please cite this article as: Wen P, Jauer L, Voshage M, Chen Y, Poprawe R, Schleifenbaum JH, Densification behavior of pure Zn metal parts produced by selective laser melting for manufacturing biodegradable implants, *Journal of Materials Processing Technology* (2010), https://doi.org/10.1016/j.jmatprotec.2018.03.007

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

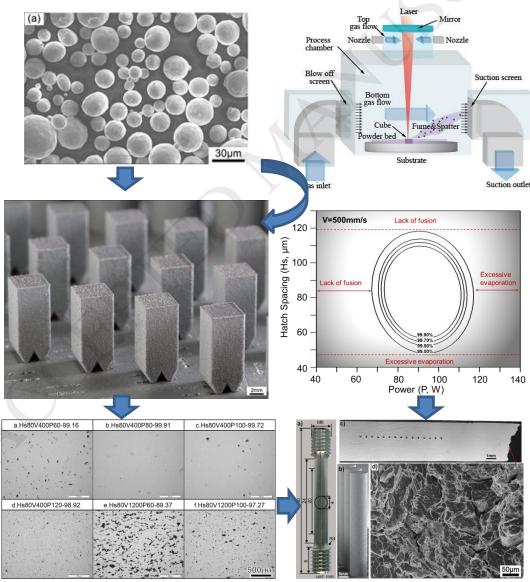
Densification behavior of pure Zn metal parts produced by selective laser melting for manufacturing biodegradable implants

Peng Wen^{1,4*}, Lucas Jauer², Maximilian Voshage³, Yanzhe Chen⁴, Reinhart Poprawe², Johannes Henrich Schleifenbaum^{2, 3}

Corresponding author:

Peng Wen, Tel/Fax: 86-10-62773862, E-mail: wenpeng@tsinghua.edu.cn

Graphical abstract



¹ The State Key Laboratory of Tribology, Tsinghua University, 100084 Beijing, China

² Fraunhofer Institute for Laser Technology (ILT), Steinbachstraße 15, 52074 Aachen, Germany

³ Digital Additive Production (DAP), RWTH Aachen University, Steinbachstraße 15, 52074 Aachen, Germany

⁴ Department of Mechanical Engineering, Tsinghua University, 100084 Beijing, China

Download English Version:

https://daneshyari.com/en/article/7176331

Download Persian Version:

https://daneshyari.com/article/7176331

<u>Daneshyari.com</u>