

Supplementary material to the manuscript:

Hatch-distance driven approach to produce 3D micro-lattices by Laser Powder Bed Fusion
Additive Manufacturing

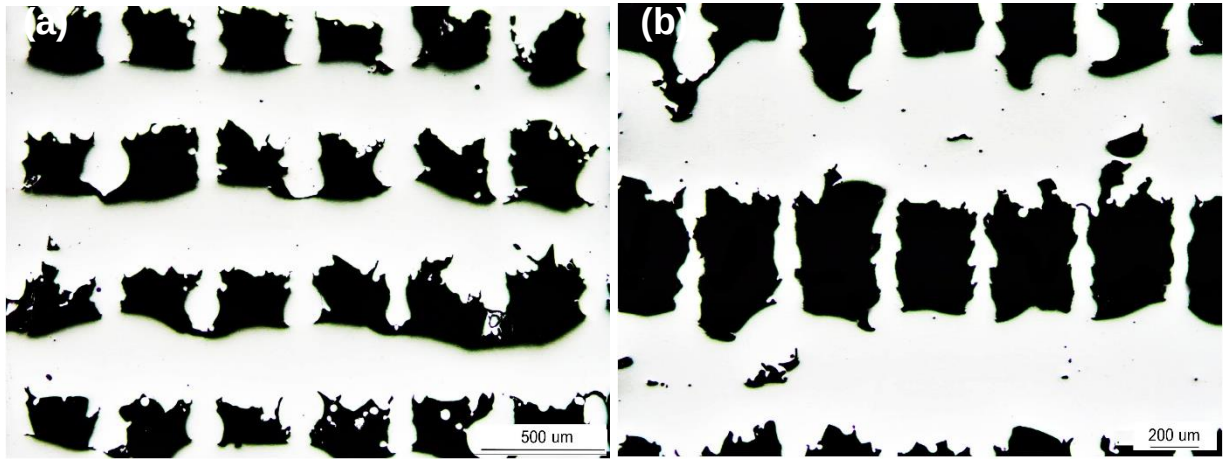


Figure S1. Defects detected in the investigated micro-lattices, Sample 5-90 (a), and 10-90 (b)

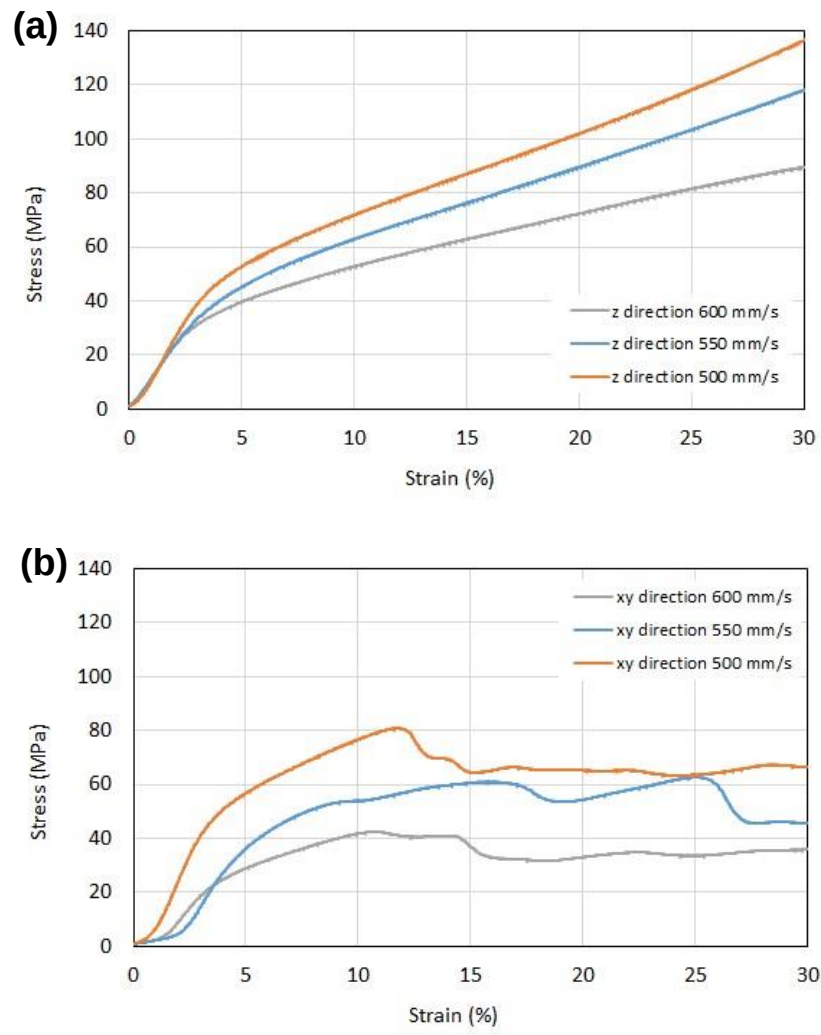


Figure S2. The effect of the adopted laser scan rates on lattice strength, for the 5-90 samples aslong z direction (a) and xy direction (b)..

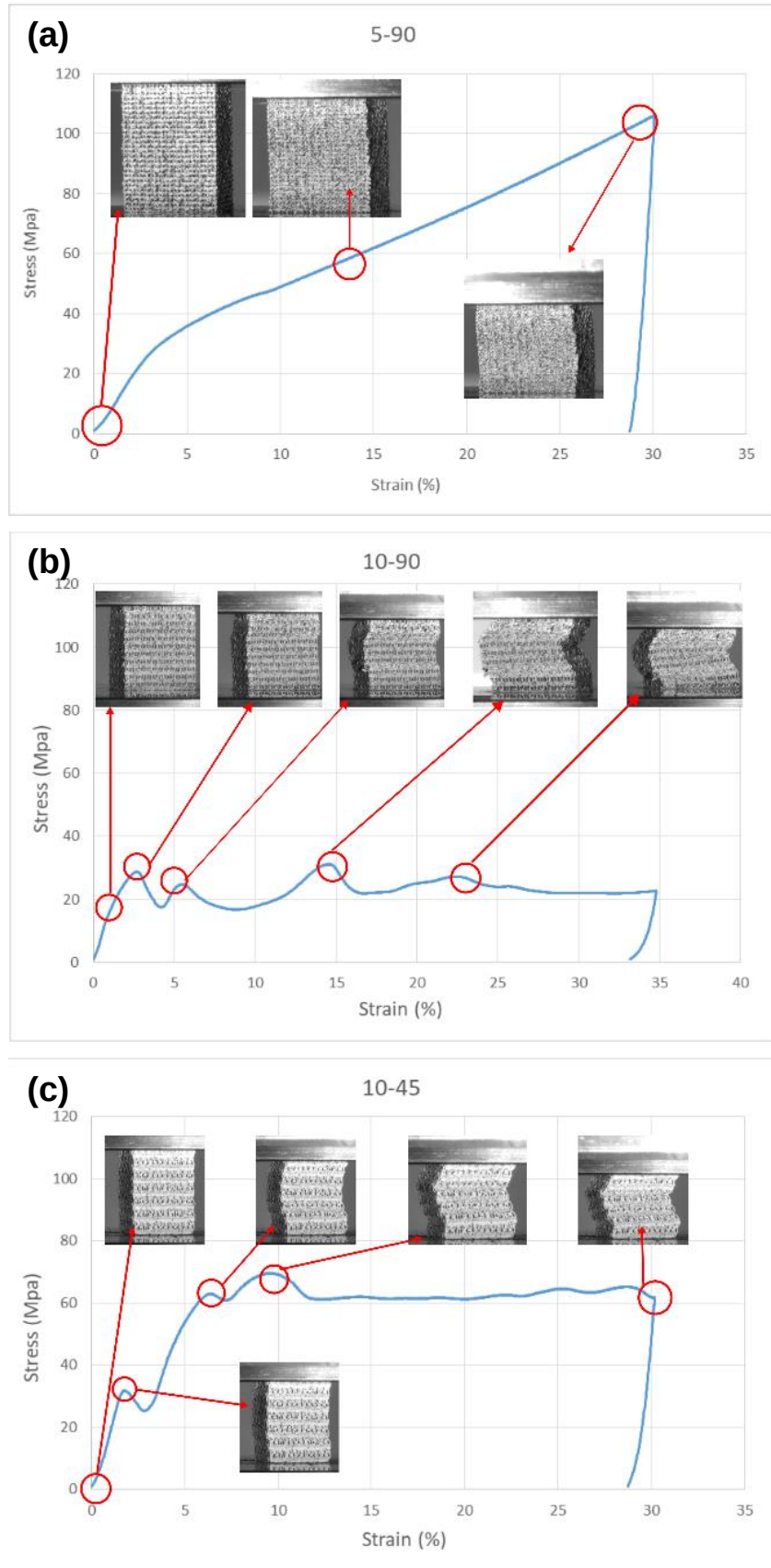


Figure S3. Typical compression curves and corresponding aspect of the deformed samples at different strain levels for the investigated micro-lattices (strain along Z direction). 5-90 (a), 10-90 (b), 10-45 (c).