Supplementary material

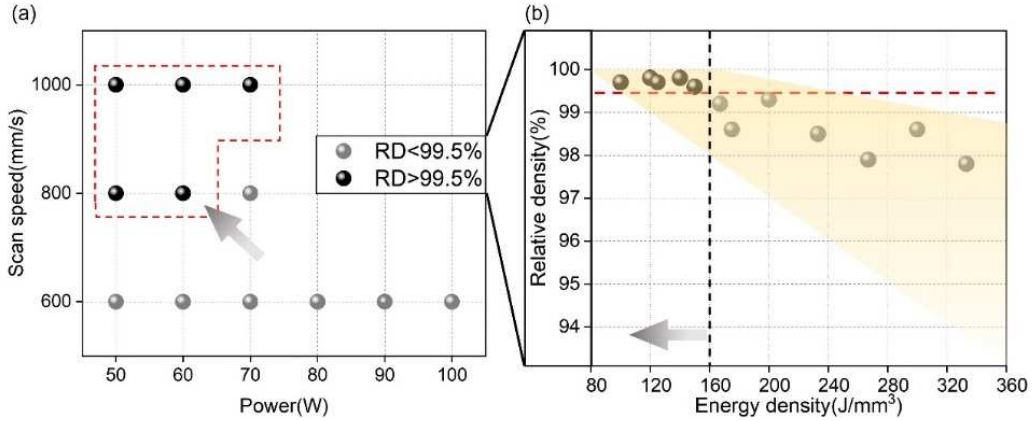


Figure. S1 RDs of as-printed cubes

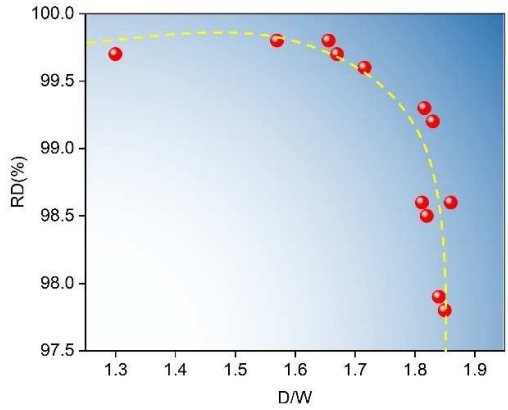


Figure. S2 The relationship between D/W and RD of NiTi samples

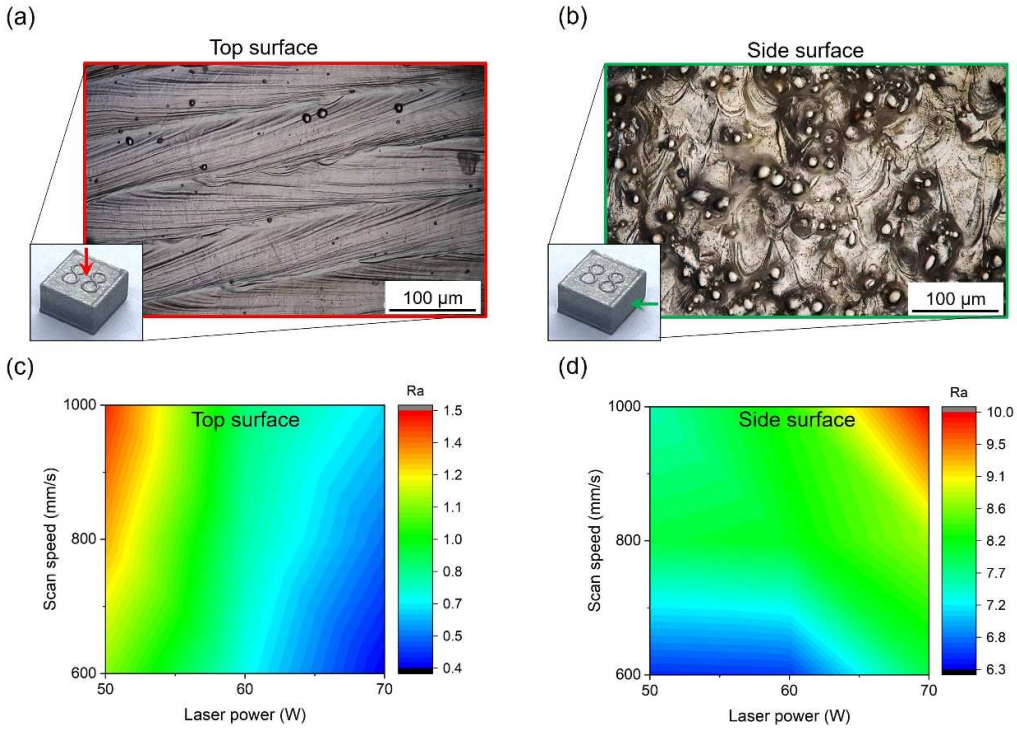


Figure. S3 Surface roughness characterization of cubes fabricated using different parameters: (a) top surface morphology, (b) side surface morphology, (c) Ra of top surfaces obtained using different parameters, (d) Ra of side surfaces obtained using different parameters

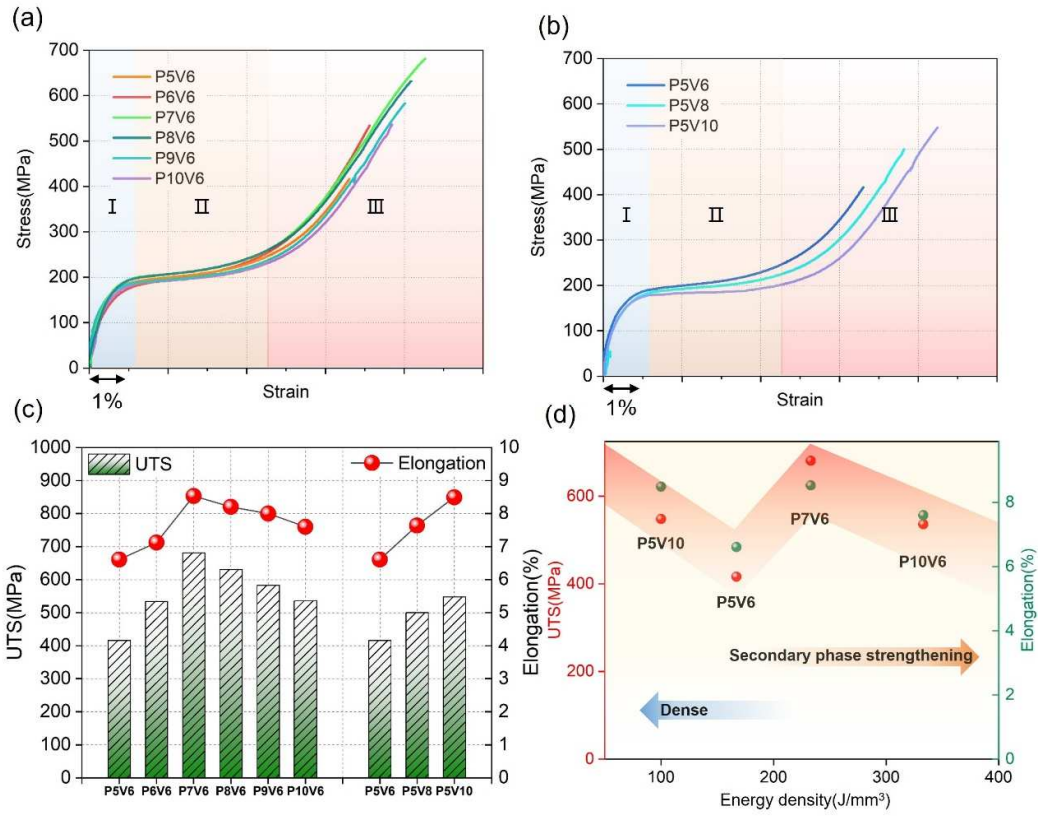


Figure. S4 Representative tensile curves of samples fabricated with varied (a) laser power and (b) scan speed, (c) UTS and elongation values of NiTi samples with different parameters, (d) UTS and elongation values of four typical samples versus energy density

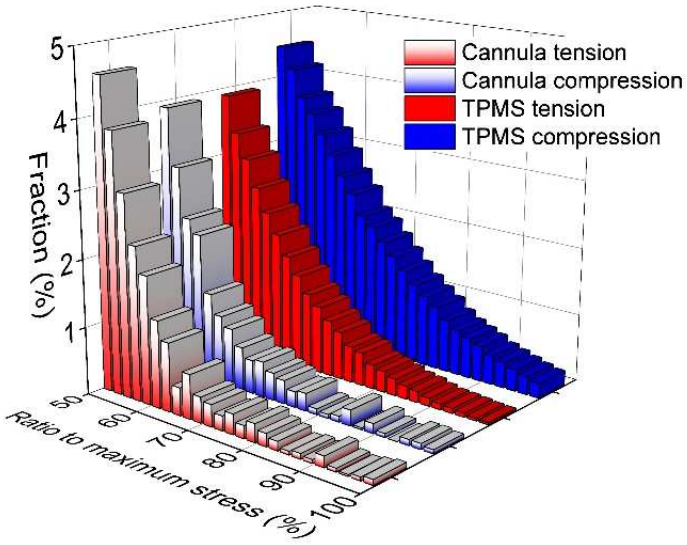


Figure. S5 Tension and compression stress conditions of elements extracted from FE simulation of the G-TPMS and cannula tip