Supplementary

Figure S1. The created grooves on Ti6Al4V surface with structure density of 25% (a), 42% (b), 58% (c), and 75% (d), respectively.

Figure S2. Cross-sections of LAMP produced joints with structure density of 25% (a), 42% (b), 58% (c), and 75% (d), respectively.
Figure S3. Cross-sections of the modified laser joining method produced Ti6Al4V-PA66-GF30 joints with structure density of 25% (a), 42% (b), 58% (c), and 75% (d), respectively.