Supplemental Materials

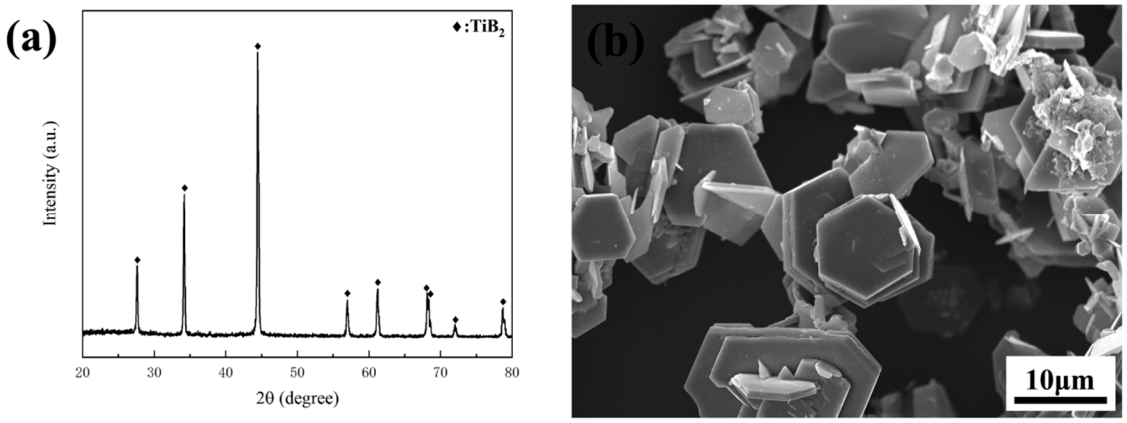


Figure S1. XRD (a) and SEM images (b) of self-made platelet TiB_2.

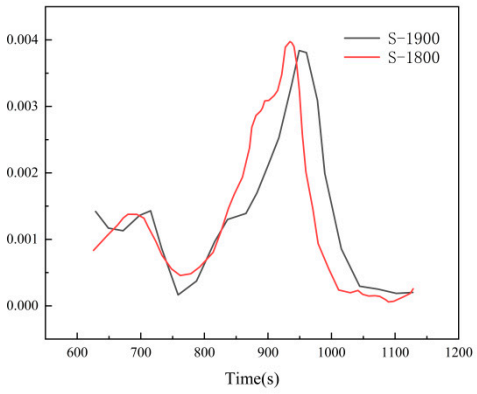


Figure S2 Displacement change rate of the S-1800 and S-1900 samples during the SPS sintering process.

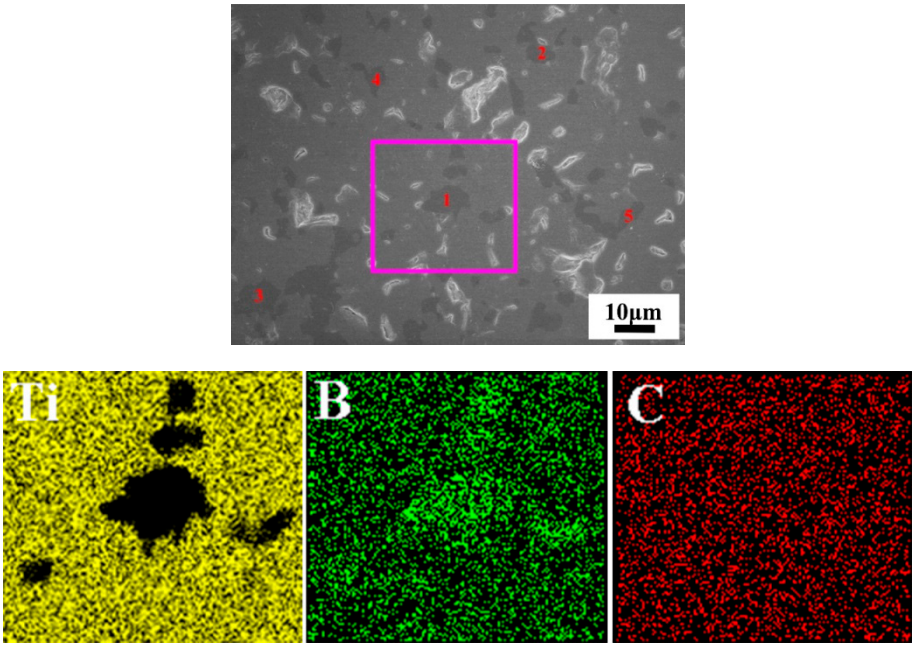


Figure S3. SEM-EDS analysis of the gray phases formed in the TiB_2 on a polished surface.

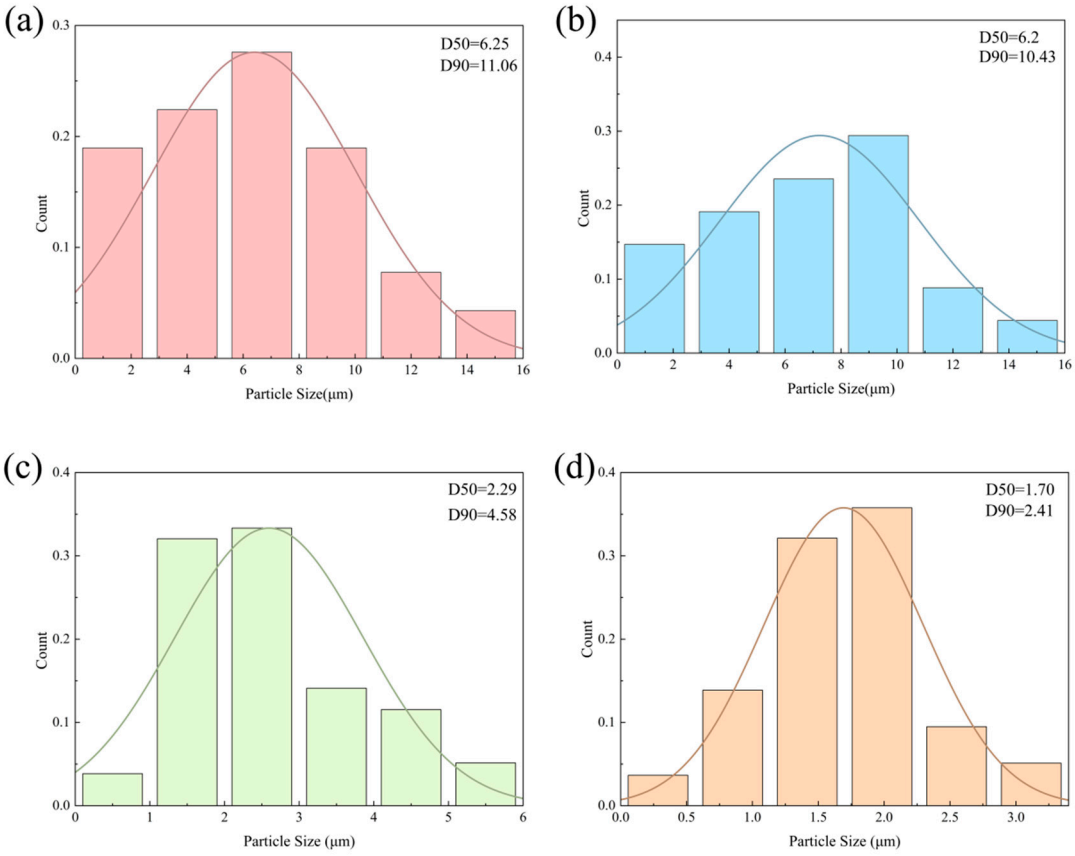


Figure S4. Grain size of the solid solution with different amounts of TiB_2: (a) 0%; (b) 10%; (c) 20%; (d) 30%.