

Supporting information

Machinability of siliconcarbide particle-reinforced metal matrix composite

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Fig. S1 Set up used for milling and cutting force testing of the SiC particles workpiece

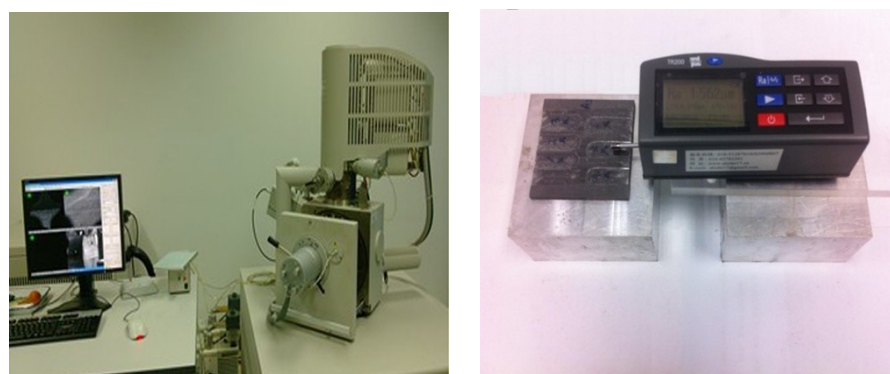


Fig.S2 Experimental setup of surface morphology and surface roughness detector used for analyzing the SiCp/Al composite milled under different cutting parameters (Quanta250FEG type SEM)



Fig.S3 Experimental setup of the X-ray stress detector used for measuring the residual stress in SiCp/Al milled under different cutting parameters