

CHAPTER 6

FUTURE WORKS

1. Al_2O_3 crucible reacted with Si_3N_4 and SiO and deteriorated or cracked after several times of usage. It causes high cost in production. Therefore, it is essential to find a technology or material, which delays the deterioration of crucible.
2. In this experiment, mixed powder was milled for 192 h based on previous experiment. However, it is not appropriate in real industry. Furthermore, SiO_2 increased too much by the long time milling. The much amount of SiO_2 degrades the mechanical properties. Therefore, it is important to develop a crashing technology without increasing SiO_2 .



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