

Applications of Spark Plasma Sintering

- Introduction
- Spark Plasma Sintering (SPS)
- Transparent Lu-based Oxide Ceramics by SPS
- Lu_2O_3 , $\text{Lu}_3\text{Al}_5\text{O}_{12}$ (LuAG) , $\text{Lu}_2\text{Ti}_2\text{O}_7$, Lu_3NbO_7 ,
 $\text{Lu}_2\text{Hf}_2\text{O}_7$
- Non-Oxide High-Temperature Ceramic Composite by SPS
- Carbide-Boride Eutectic Composite (SiC-ZrB₂)
- Covalent Bond Ceramic Composite by SPS
- cBN-Based Composites
- Summary