

CASE STUDY

Semiconductor Equipment Manufacturer

Challenges

A Semiconductor Equipment Manufacturer was experiencing severe quality issues with the existing sintered silicon carbide (SSiC) material supplier of their semiconductor ceramic discs. The end customer reported unacceptable levels of pitting and porosity in the incoming material, which significantly exceeded SSiC material expectations and specifications. Compounding the problem, the current supplier was unresponsive to these critical quality concerns, failing to make necessary improvements or address the material defects.

Solutions

To resolve the persistent quality issues, a new, highly effective partnership was formed with a supplier capable of consistently meeting the rigorous requirements for sintered silicon carbide (SSiC) material. This strategic collaboration not only ensured the successful manufacturing of the disks according to the precise design specifications but also critically maintained competitive pricing, providing a comprehensive solution to the customer's material challenges.

Result

Calix successfully supplied two components that fully met all stringent material requirements, effectively passing every stage of incoming inspection testing and assembly requirements. This ensured the customer received reliable, high-quality parts, directly resolving their previous quality issues.

“Good News!! We contacted the end customer and the Calix SSiC plate final cleaned and performed the same as the other supplier. No pits, ground fins for us! Material specifications are the same for Calix and the other supplier. Calix is Qualified!”

*Tom Delonte
Executive Director of Engineering*

