

PCD Substrates and Disks



Application Background

Widely accepted in the polycrystalline diamond industry, **Grade GC-313** has an intermediate carbide particle size coupled with a medium binder content and exhibits moderate impact and wear resistance. Our robotic pressing and quality controlled grinding procedure produce a product that satisfies the most demanding dimensions and tolerances. The superior ultrasonic cleaning system developed by General Carbide provides the cleanest possible substrate or back-up disk. This system and proprietary cleaner ensure a contaminant free surface for ease of brazing and a reliable metallurgical bond with the diamond table. Note the uniform grain structure of this grade.



To ensure the highest metallurgical quality, General Carbide processes all grades in sinter-HIP furnaces.