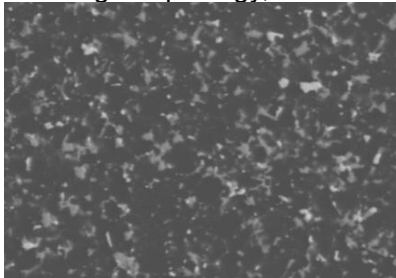
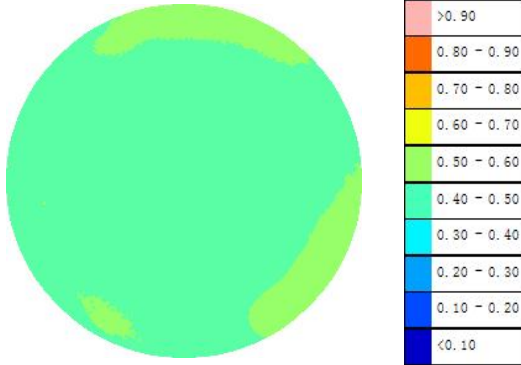


Product Inspection Report			
Product Name	SJP005 Polycrystalline Diamond (PCD) Blank	Diameter	71mm
Product Size	2.0mm±0.07mm	Polycrystalline Layer Thickness	0.4-0.7mm
Quantity	1 piece	Batch Number	SJP005 250905
Inspection Date	2025/9/7	Flatness	0.1±0.02
Inspection Basis	1. PCD blank Inspection Standard		
Inspection Department	Quality & Safety Center		
Inspection Items	1. Dimensional & Appearance Inspection 2. Vickers Hardness Test 3. Scanning Electron Microscopy (SEM) Inspection 4. Ultrasonic Flaw Detection		
Dimensional & Appearance Inspection	Meets standard requirements (fully inspected)		
Ultrasonic Flaw Detection	No internal defects found		
Vickers Hardness Test	6100HV		
Grain Size	5µm		
SEM Inspection	<b>Acceptance Criteria:</b> The PCD blank microstructure shows uniform sintering morphology, free from impurities and particle agglomeration. 		
	<b>Conclusion:</b> The SEM microstructure of the product meets the acceptance criteria.		
Ultrasonic Inspection			
	Conclusion: The material layer of the product meets the acceptance criteria.		

**Final Conclusion:**

Based on the above results: The SJP005 Polycrystalline Diamond (PCD) Blank, batch No. 250905, is **qualified**.

Quality and Safety Center

2025/9/7