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## **Introduction of PCD Tool Blanks & PCBN Tool Blanks**

### **PCD Tool Blanks:**

PCD is short for Poly Crystalline Diamond, which is formed through sintering of diamond catalyst with the aid of Cobalt-based powders. PCD Tool Blanks is manufactured via bonding the PCD onto a tungsten carbide substrate, which forms a integral material. Then it can be applied in industrial Cutting and processing.

### **PCBN Tool Blanks:**

PCBN is short for Poly Cubic Boron Nitride, which is formed similar like PCD. PCBN Tool Blanks is designed for machining ferrous Metal, as PCD can't bear the high temperature occurring during the machining process.

### **Typical Cutting Materials:**

PCD Tool Blanks	PCBN Tool Blanks
Aluminum & Aluminum alloys, Copper & Copper alloys, Tungsten Carbides & Tungsten Alloy, Carbon, Rubber, Ceramic, Plastic, Chipboard Wood, Poly-Wood, Wooden Composite Wooden Floor	Cast Iron & Grey Cast Iron Powdered Metallurgy Metals Steels & Alloy Steel Hardened Steels High-Speed Steel Tool Steel Hardfacing Alloy