

Method for applying TiAlN/CrN nanocomposite multilayer coating to cutting tools involves PVD (physical vapor deposition) at a temperature of 350-500 °C and a pressure of 0.3-1.5 Pa, wherein during the deposition process, alternating layers of $\text{Ti}_{1-x}\text{Al}_x\text{N}$, where $0.20 \leq x \leq 0.60$, with a thickness of 5-50 nm, and CrN layers with a thickness of 3-30 nm are formed, with the total coating thickness being 1-8 μm .