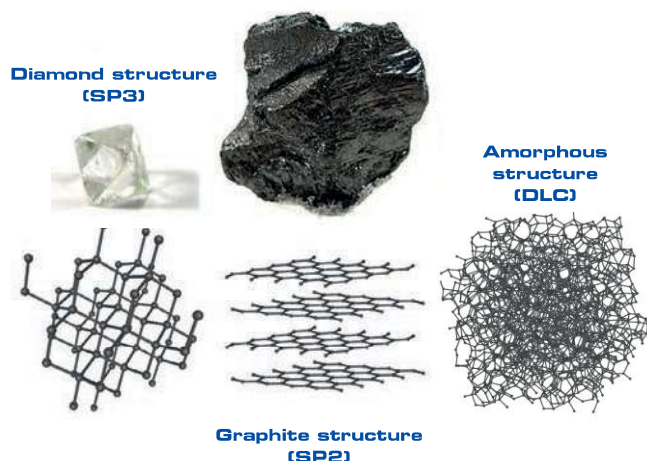


DIAMOND coating/Beschichtung/ revêtement/rivestimento/revestimiento

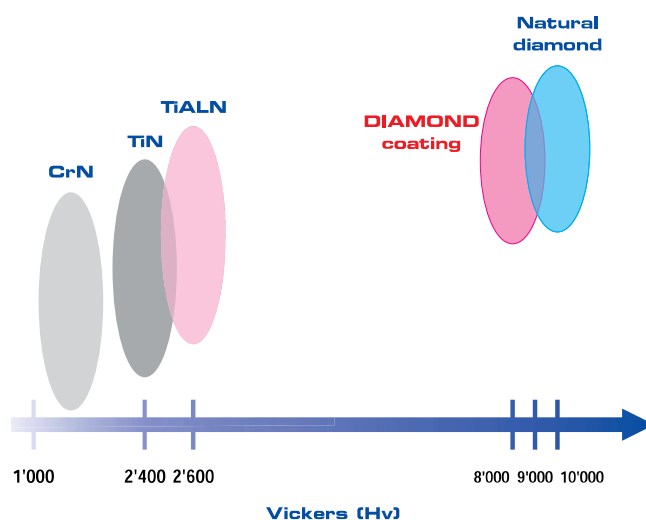
Characteristics of diamond

Diamond and graphite are both composed of carbon elements, but due to the ionic bonding structure, diamond has hard characteristics.



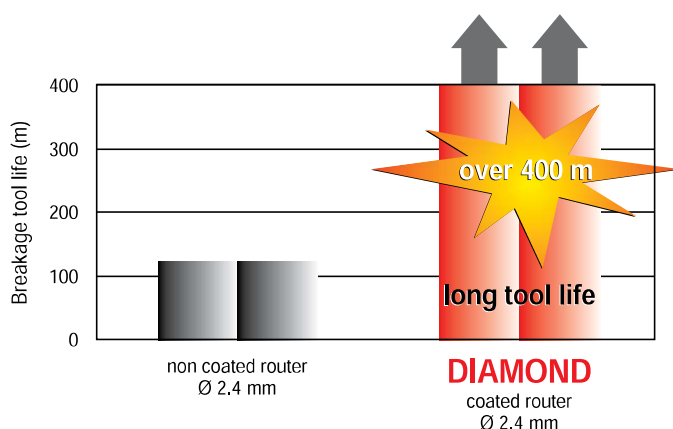
Hardness comparison of coating

The newly developed routers coated with diamond have an extremely higher degree of hardness when compared to other types of coatings.

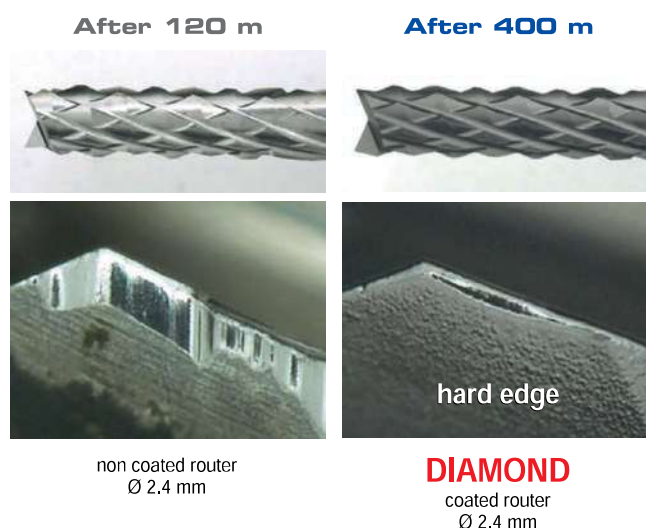


Tool life until breakage

Routing conditions
Router: Ø 2.4 x 10.5 mm
PCB: R1705UX t1.6 mm (no copper) x 4 boards
N: 30'000 min⁻¹
F: 1.04 m/min
f: 34.7 µm/rev



Cutting Edge Wearing



«DC series» achieved 400 m long routing distance without any breakage

The wearing of the cutting edges for the «DC series» is extremely small