







## Numerous course of study is amounted to the actor of diamond milling cutter defect

The applied range of diamond milling cutter is wide, can machine hardness the stuff with big, expensive intensity. Among them, when the workpiece such as cutting metal thin plate, hard alloy, pottery and porcelain, glass, black lead, diamond milling cutter is a kind of good choice. In applying actually, the treatment workpiece material of diamond milling cutter is given priority to more with metalloid material, wait like black lead, pottery and porcelain. So what does the actor defect of diamond milling cutter have? It is numerous course of study is amounted to below small the introduction that write.



The actor defect of diamond milling cutter:

**Advantage:** The stretch model amount of diamond milling cutter is large, rupture intensity is high (3 times taller than alumina), value of blunt round radius can grind cutting blade very small, rupture not easily, the hot coefficient of expansion of the milling cutter of diamond of sharp degree; that can hold cutting blade for a long time is small, heat is out of shape small.

**Defect:** PCD and man-made get together brilliant diamond is a compound piece (the point of PDC) cutting tool is sharp the workpiece surface quality of gender and treatment under ND, its machinability is very poor at the same time, grinding comparing is small, hard the figuration of geometrical appearance random according to knife head. Because this uses man-made to get together at present brilliant diamond is compound piece can preparation lathe tool, still cannot make those who take bits chamfer up to now but the milling cutter of dislocation razor blade and appearance of geometry of complex and three-dimensional curved surface. Solder as a result of diamond again process technology is sophisticated, CVD diamond thick film (TDF) solders cutting tool also have not large quantities of quantity application.

In addition, diamond is not carbolic steady state, encounter hot easy oxidation and graphitization, the

