







## Numerous course of study is amounted to the treatment of carbon fiber milling cutter parameter

Milling cutter, it is to be used at what milling machines, have one or more tooth rotate cutting tool, and the cutting tool that carbon fiber milling cutter uses composite material of treatment carbon fiber namely. So what does the treatment parameter of carbon fiber milling cutter have? Numerous course of study is amounted to below small make up will fall for everybody introduction.



The treatment parameter of carbon fiber milling cutter:

### One, cutting speed



Cutting speed is the speed that shows cutting tool contacts workpiece when cutting, express normally with M/min. When carbon fiber milling is machined, because carbon fiber is material of a kind of brittleness, should reduce cutting tool and the rate that workpiece contacts as far as possible so, lest appear edge of burr, wool reaches the issue such as warp. Show according to the experiment, the optimal cutting speed when carbon fiber mill is machined is 400-600m/min, unfavorable and exorbitant or too low, lest affect treatment result.

### 2, feed speed

Feed speed is to point to the rate that increases workpiece to move along feed direction inside unit time, express with Mm/min or Mm/rev normally. When carbon fiber milling is machined, should according to the material of workpiece qualitative, hardness and the quality that machine the surface ask to wait for an element to consider integratedly, choose proper feed career. Generally speaking, high speed feed can improve treatment efficiency, but bigger to the quality influence of workpiece surface, although low speed feed machines efficiency inferior, but the quality of workpiece surface is better. The proposal feed speed of milling cutter of general carbon fiber is 100-150mm/min.

### 3. cutting deepness

