



Sapphire Cutter

The sapphire diamond bronze cutting knife has only a few sinks in the diamond metal bond part of the tool teeth. When in use, the slag drainage is low and the rotation speed is low. Bar material takes too long. At present, Sapphire Cutter usually takes about 1.5 hours to take out a 2 inch Xmm sapphire bar in China. Sapphire Cutter takes about 2.5 hours for a 4-inch Xmm bar to take about 3.5 hours..

China Wholesale Sapphire Cutter Factory can be Customized

Used for sapphire material taking.

The deep hole nesting tool is a special tool for deep hole machine tools. Sapphire Cutter can reduce the cost in product production. It can successfully nest a reusable bar in the workpiece that needs to be processed, so that it can be used when processing with a drill. The iron filings become a finished product that can now be reused.

The characteristics of the deep hole nesting tool: the utility model belongs to the field of cutting tools for metal materials, and is especially suitable for the processing of small deep hole nesting of brittle and precious metal materials. The deep hole nesting knife consists of a blade, a guide block, a knife body and a knife bar. Four blades and guide blocks are arranged on the knife body according to the circle. The four blades are unique in their geometry, height, width of the front cutting edge and the relative position between the planes formed by the front of the blades. The cutting force is shared by the four blades when the nesting knife nests, the cutting is very stable, the chip separation effect is good, and the cutting efficiency is high. It can be used to complete the processing of deep hole nesting with a minimum diameter of 20mm and a depth of 50-100 times the hole diameter at one time.

The diamond metal sintered cutting tool (cutting tube) is used to take the sapphire crystal rod from the sapphire crystal tuo. The standard cutting tube of 2 inches, 4 inches and 6 inches can also be customized according to customer requirements.

The specific effects of the currently developed sapphire cutting tool used on a well-known domestic sapphire rod cutting machine are as follows: 2-inch sapphire cutting tool: When the tool has a linear speed of 22m/s and a feed of 30mm/min, the tool can normally be pulled out 20m Sapphire ingot.



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4-inch sapphire cutting tool: When the cutting tool has a linear speed of 22m/s and a feed rate of 15mm/min, the tool can normally pull out a 20m sapphire ingot. 6-inch sapphire cutting tool: When the cutting tool has a linear speed of 22m/s and a feed of 5mm/min, the tool can normally pull out a 20m sapphire ingot.

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