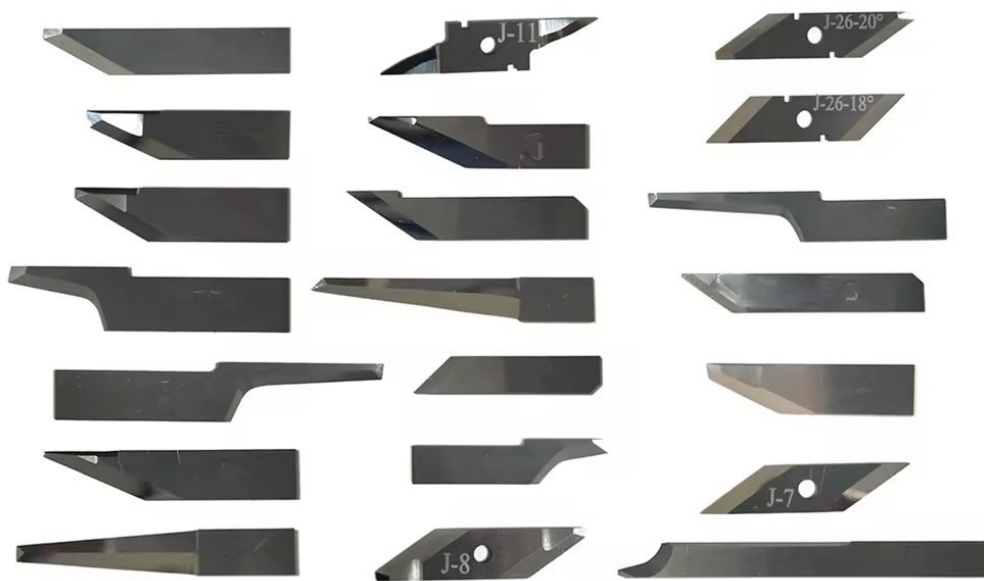


## What are the main uses of special-shaped cemented carbide?



Special-shaped cemented carbide is a material made of metal powders such as tungsten, cobalt, and tantalum through high-temperature sintering. It has extremely high hardness, wear resistance, and corrosion resistance. Due to its excellent physical properties, special-shaped cemented carbide has been widely used in the field of industrial production. The main uses include:

1. Machining tools: Special-shaped cemented carbide can be used to manufacture various types of cutting tools, drills, milling cutters, turning tools and other machining tools. Due to its high hardness and good wear resistance, it can improve cutting efficiency and tool life during processing, while reducing

processing costs.

2. Oil drilling tools: Special-shaped cemented carbide has good wear resistance and corrosion resistance, and is suitable for manufacturing oil drill bits, drill bits, drilling tools and other tools. These tools play a vital role in the process of oil exploration and exploitation, and can improve drilling efficiency and extend the service life of drilling tools.

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3. Manufacturing: Special-shaped cemented carbide can be used to manufacture various molds, cutting tools, punches and other parts, and is used in mold manufacturing, automobile manufacturing, aerospace and other fields. Its high hardness and wear resistance help improve manufacturing accuracy and production efficiency.

4. Mining tools: Special-shaped cemented carbide can be used to manufacture mining tools such as hammers, rock drills, and slotting tools, which are used in mining, engineering blasting, etc. These tools can improve work efficiency and safety in

mining operations.

5. Medical devices: Special-shaped cemented carbide is also used in the field of medical device manufacturing, such as surgical blades, dental instruments, etc. Due to its excellent cutting and corrosion resistance, it can improve the service life and reliability of medical devices.



In general, special-shaped cemented carbide is widely used in various fields and has important economic and social significance. With the continuous advancement of science and technology and the continuous growth of industrial demand, the application prospects of special-shaped cemented carbide will be broader.