



## The Main Types and Characteristics of CNC Tools in China

CNC machining tools can be divided into conventional tools and modular tools. The modular tools will dominate the development tendency. The main advantages of modular tools: quick tool change, increased production and processing time; speed tool change and setup time, improve the economy of small batch production; improving the degree of standardization and rationalization of the tool; improved management and flexible processing tool level; expanding the utilization of the tool, full performance of the tool; effectively eliminate work disruption. In fact, due to the development module tool, CNC tools have formed three systems, namely turning tool systems, drilling and boring and milling tool system tool systems.

CNC tool classification:

From the structure can be divided into

1. Integral:
2. Mosaic: can be divided into welded and machine clip.
3. Damping: when the length and diameter of the tool working arm of the relatively large, in order to reduce the vibration of the tool, to improve the machining accuracy, the use of such tools.
4. Internally cooled: cutting fluid through the inside of the cutter body is ejected from the spray hole to the cutting edge portion of the tool;
5. Special Type: tool such as composite, reversible tapping tool and so on.