In order to meet the requirements of high-speed cutting tool system

1) high precision cutting tool system
Tool system includes the system positioning precision accuracy of clamping tool and the repetitive positioning accuracy, the former refers to the connection precision tool and toolholder and spindle, the handle; the latter refers to every change of cutter tool system consistent precision. The system has high precision cutting tool system, can guarantee the high speed machining tool system should be under the condition of static and dynamic stability.



(2) high rigid tool system
Tool system static and dynamic rigidity is an important factor to affect the accuracy of machining and cutting performance. The cutting tool system rigidity shortage will lead to tool system vibration, thereby reducing the machining accuracy, and increased tool wear and reduce the service life of cutting tools.



(3) good dynamic balance

High speed machining conditions, the imbalance of micro quality will cause huge centrifugal force, causing the dramatic vibration of machine tool and machining process. Therefore, high speed cutting tool system for dynamic balance is very important.