







# : of tool industry research? Shipboardsweeps past the? that feed cabin homebred change help strength, toolindustry is static wait for a floweraa

(the report manufactures square / author: Money believesnegotiable securities, yang Fu, Zhou Yihan)

## 1. Cutting tool is capable person of serious treatmentbad news, hard alloy is the cutting tool material of themainstream

Material cutting machines the 70% above that occupy machining,it is the mainest treatment method of mechanical manufacturingindustry. Machine tool and cutting tool form the fundamentaltooling that cutting machines jointly; Among them, the machinetool basically is used at delivering rotate speed, torque, precision;Numerical control cutting tool basically machines craft with whatdiffer at bearing the weight of, produce direct physics contact withworkpiece, the redundant metallic excision on workpiece,precision of the appearance position that makes workpiece getsaccording with a technology asking, dimension and exteriorquality. Machine tool, clamping apparatus, cutting tool andworkpiece, form machining complex ofa machining.

Sort of fractionize of 1.1 cutting tool is various, hard alloy takes dominant place

1.1.1 by treatment means is classified, lathe tool makes dosage the biggest, auger cut cutting tool to design difficulty most complex

Press cutting motion and edge appearance, can be cutting toolcent general cutting tool, figuration cutting tool and special cuttingtool: General cutting tool: Lathe tool, planing tool, milling cutter,boring cutter, broach, curium etc; Figuration cutting tool: Theedge of cutting tool is had with be machined identical or workpiece section is adjacent same figure, wait like cutting tool ofplaning tool of figuration lathe tool, figuration, thread machining;Special cutting tool: Process a few special work, be like: Gear,spline the cutting tool that wait. Among them, lathe tool versatilityis the widest, it is a kind of cutting tool with use the at presentlargest amount. The cutting tool material of correspondence ofdifferent cutting treatment means and structure ask eachdifferent, auger cut cutting tool the design is more complex: Forinstance milling cutter is multiple-cutting-edge tool for the mostpart, the need when treatment makes sure each cutting blade is on end panel or circumferential direction the consistency of pointposition, so milling cutter adjusts an orgnaization to have higher demand to the consistency of edge stuff and cutting blade position. Cut the hear resistance that should consider cutting tool data not only and impact resistance than be being gotten at treatment of common turning, milling, the working section of the broach in still needing to consider its to machine a process is surrounded basically to be in treatment surface. Platoon bits and medicinal powder hot space is extremely limited also, the cutting rate that considers to reach broach center from the predestined relationship outside broach even is rapid the problem such as change, the demand that gets the cutting blade material that cuts cutting tool and structure so is met more complex.

[China End Mills / End Milling Cutter](#)

