



WUXI ANBER MACHINE CO., LTD.



# CNC Machine

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## Description of CNC machine

The CNC machine adopts special lathe control system, using high-precision ball screw direct driven by all-digital AC servo motor. The CNC system can realize X and Z direction linkage, reversing of the spindle, spindle start & stop of the spindle, etc., and can choose a combination of row knife multi-station tool changer, which can be used for many varieties of complex parts machining. Programming of CNC machine uses ISO international standard G, M code format.

CNC X Z  
M ISO G



## Characteristics of CNC machine

1  
CNC  
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6 X X Z  
X Z  
Z

- Digital AC servo drive, good control performance, simple maintenance. CNC system is reliable, easy to operate, powerful, fast response, rich interface with self-diagnostic function.
- The CNC machine uses liner guideway with characteristics of fast positioning speed, precision positioning, good rigity, small rolling friction, long operating lift and high precision etc.
- Ball screw use direct connection of flexible coupling and AC servo motor, screw uses imported bearing with pre-stretched before delivery to ensure the feed system without gaps, rigidity, accuracy and stability work.
- Auto control of feeding and cutting process, trays of CNC machine will automatically turn as lack of material, expected after full induction, trays delay period is automatically stopped, the program can be modified by changing the delay time, fully automatic function.
- Main movement: variable speed for spindle drive, the belt directly to the spindle. Spindle belt round grating encoder can be achieved through synchronous rotation with the spindle.
- Feed movement: X and Z direction are driven by full digital AC servo motor. X to the feed movement directly driven ball screw driven by a small carriage by Vice couplings, enabling X to feed movement. Z to feed movement led directly driven ball screw deputy big carriage through the coupling to achieve Z to feed movement.

## 主要技术参数

SK-S80  
: X: 120mm; Z: 120mm;  
X: 12000mm/min; Z: 12000mm/min;  
4KW-4P  
1:1  
r/min : 200-1800  
X 25  
Z 25  
X Z X 3.2N/m; Z 3.2N/m  
X Z : 25-10T3  
32217  
32216  
0-3.5Mpa  
1.5  
1300\*1000\*1600mm

## Main specifications of CNC machine

Model: SK-S80 series  
Max. Stroke:  
X: 120mm; Z: 120mm;  
Rapid moving speed:  
X: 12000mm/min; Z: 12000mm/min;  
Transmission ratio: 1:1  
Rotate speed of main shaft: 200-1800r/min  
Structure of X rail: 25 linear rail  
Structure of Z rail: 25 linear rail  
Connection type of X and Z motor: direct connection  
Drive type:  
X : 3.2N/m; Z : 3.2N/m  
Specification of ball screw for X and Z: 25-10T3  
Front bearing of main shaft: 32217  
Rear bearing of main shaft: 32216  
Hydraulic system: 0-3.5Mpa pressure  
Machine weight: 1.5T  
Overall size: 1300\*1000\*1600mm



anber machine

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SK-G72 Seires



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数控切管机概述

Description of CNC tube cutting machine

This CNC machine is fully automatic pipe cutting machine, can fill a variety of short sleeve type pipe cutting. The machine adopts microcomputer control X, Z servo motor direct drive high-precision ball screw drive small and large carriage to carriage movement in X and Z, respectively complete the pass.

This cutting machine can save technology and equipment, shorten production preparation cycle to ensure parts processing quality, increase production efficiency. A high degree of mechanical and electrical integration, high production efficiency, cutting dimensionally stable, easy to replace and is suitable for long model material cutting, tube feeding is the ideal equipment for cutting production.



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机床的主要特点

Characteristics of CNC machine

PLC

- (1) The CNC machine adopts PLC control, it is easy to change the process parameters with characteristics of good stability, reliability, precision and high efficiency, to achieve automatic electrical system.
- (2) Cutting process is driven by all-digital AC servo, uses imported linear guide rail, with good rigidity, low rolling friction, long life and high accuracy.
- (3) The ball screw is direct connected by elastic coupling and AC servo motor, use imported screw bearing, and pre-stretched before delivery to ensure the feed system without gaps, rigidity, accuracy and stability work.

主要技术参数

Main specifications of CNC cutting lathe

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Model: SK-G72 series  
Max. Stroke:  
X: 140mm; Z: 140mm;  
Rapid moving speed:  
X: 12000mm/min; Z: 12000mm/min;  
Motor power of main shaft: 4KW-4 three-phase asynchronous motor  
Rotate speed of main shaft: 1200 r/min  
Structure of X rail: imported linear rail  
Structure of Z rail: imported linear rail  
Connection type of X and Z motor: direct connection  
Drive type:  
X : 2.4N/m; Z : 2.4N/m  
Specification of ball screw for X and Z: 25-5T3  
Front bearing of main shaft: NN3028K W33  
Rear bearing of main shaft: 7026-AC-DB  
Diameter range of tube: Ø30- Ø72mm  
Max. Cutting thickness: 10mm  
Cutting length: 3-100mm  
Machine weight: 1.1T  
Overall size: 1650\*900\*1450mm