

high speed ST125 Swiss Type CNC Lathe Machine 6000rpm Swiss Style Cnc Machining

Our Product Introduction

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Basic Information

- Place of Origin: SHANDONG
- Brand Name: cnc swiss lathe machine
- Certification: CE
- Model Number: SM325
- Minimum Order Quantity: 1/SET
- Price: \$39000-\$55000
- Packaging Details: non-fumigation wooden box
- Delivery Time: 30DAYS
- Payment Terms: T/T
- Supply Ability: 30/SET



Product Specification

- Control System: Syntec
- Axis: 5
- Machine Structure: Horizontal
- Spindle Speed: 8000rpm
- Weight: 2000kg
- Dimension: 2000mm X 1000mm X 1500mm
- Max. Turning Diameter: 20mm
- Type: Swiss Type
- Voltage: 380V
- Power: 5.5kW
- Tool Size: 16mm
- Number Of Tools: 12
- Max Turning Length: 200mm



More Images



Product Description



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High speed ST125 Swiss Type CNC Lathe Machine 6000rpm Swiss Style Cnc Machining

Product description(high speed ST125 Swiss Type CNC Lathe Machine 6000rpm Swiss Style Cnc Machining):

1. Swiss-level spindle accuracy, $\pm 1\mu\text{m}$ repeat positioning, challenging the extreme processing of threads/special-shaped parts;
2. Five-axis linkage + sub-spindle synchronous cutting, complex parts are formed in one go, and efficiency is increased by 40%;
3. Intelligent oil cooling system, 72 hours of continuous operation without thermal deformation, strong stability.

Specification of high speed ST125 Swiss Type CNC Lathe Machine 6000rpm Swiss Style Cnc Machining :

Main functional accessories		Main technical parameters	
numerical control system	Taiwan Province new generation 210TB+10.4 inch LCD monitor	Maximum machining diameter	Ø12mm
Spindle motor	1.5/2.2Kw built-in electric spindle	Sub-maximum feeding length degree	Guide sleeve: 120mm Without guide sleeve: 2.5D
Auxiliary shaft motor	1.5/2.2Kw built-in electric spindle	lathe tool	6x□10
Side milling motor	An Chuan 750w electric machinery	Side milling power head	1xER16+3xER11
Feed motor	An Chuan 750w electric machinery	End tool holder	5xØ22
mainshaft bearing	Japan NSK, P4 bearing	Back end cutter	4xER16
Synchronous guide sleeve bearing	Japan NSK/NACHI, grade P4 bearing	Maximum spindle speed	10000RPM
Ball screw	Taiwan Province HIWIN/PMI.C3 grinding screw rod	Maximum speed of auxiliary spindle	10000RPM
Screw bearing	Japan NSK/NACHI special bearing for screw rod	Fast moving speed	X1/Y1/Z1/Z2:32m/min X2:24m/min
Linear guide	Taiwan Province HIWIN/PMI.P grinding guide rail	positioning accuracy	≤0.005
pneumatic system	Japan SMC+ Taiwan Province Yadeke	Repetitive positioning accuracy	≤0.0025
lubrication system	Intelligent valley	C-axis indexing	0.001 degrees
Electric cabinet system	Independent electric cabinet	Spindle through hole	Ø13mm
electrical element	Omron/Schneider	Machine tool size	2100*1100*1685
Synchronous belt	UNITTA Japan	Machine tool weight	1900

Product Description

ST125 cnc swiss type lathe

1. The optimal tool layout adopts high-speed arithmetic processing control to minimize the tool change time and obtain the best positioning at the same time, reducing the auxiliary time to the shortest.
2. Concentrating the most advantageous functional components, multi-axis abundant tool configuration, and standard power tools, which greatly expands the processing range and meets the complex processing of complex parts.
3. Convenient operation space, easy to change the tool, vertical downward tool can obtain the best chip removal.

high speed ST125 Swiss Type CNC Lathe Machine 6000rpm Swiss Style Cnc Machining: use fanuc or Syntec controller system; Use Taiwan Pro auto bar feeder .

Application

The use requirements of high speed ST125 Swiss Type CNC Lathe Machine 6000rpm Swiss Style Cnc Machining

Medical devices

Processing objects: surgical instruments (such as orthopedic screws, dental implants), endoscope parts, micro catheter connectors, etc.

Electronic communications

Processing examples: metal rings in mobile phone camera modules, fiber optic connector cores, 5G base station heat sinks, etc.

Technical adaptation: Through the linkage of the Y-axis and C-axis, complex contour milling composite processing is achieved to reduce the error caused by secondary clamping.

Automotive industry

Key components: fuel injection system nozzles, turbocharger micro shafts, ABS valve cores, etc.

Efficiency improvement: Continuous production can be achieved with a bar feeder, and the single-piece processing cycle can be shortened by more than 30%.

Aerospace

Special needs: The processing of titanium alloy/high-temperature alloy parts (such as engine fuel nozzles) needs to deal with the high hardness characteristics of the material. The rigid guide rails and high-pressure cooling system (70bar) of ST125 can effectively extend the tool life.

