



## Lathe Torno Tungsten Roller Grooving CNC Roll Turning And Marking Machine

Our Product Introduction

for more products please visit us on [lathemach.com](http://lathemach.com)

### Basic Information

- Place of Origin: China
- Brand Name: BAISHUN
- Certification: CE ISO
- Model Number: XK-500C
- Minimum Order Quantity: 1 Set
- Price: Negotiable
- Packaging Details: Export standard wooden case package
- Delivery Time: 30-35 work days
- Payment Terms: L/C, T/T, Western Union
- Supply Ability: 50 Set per Month



### Product Specification

- Product Name: CNC Roll Turning And Marking Machine
- Model: XK-500C
- Max. Swing Diameter: 500mm
- Min. Swing Diameter Of Roll: 50mm
- Max. Turning Length: 2500mm
- Function: CNC Roll Turning And Marking
- Application: Roll Turning And Notching
- CNC System: SIEMENS
- Machine Weight: 7000KG
- Key Words: CNC Roll Turning Machine
- Highlight: **CNC Roll Turning Lathe, Tungsten Roller Grooving Lathe, Marking Machine Roll Turning Lathe**



### More Images



## Product Description

### China Lathe Torno Tungsten Roller Grooving CNC Roll Turning And Marking Machine

## Product Description



河南百顺机械设备有限公司  
Henan Baishun Machinery Equipment Co., Ltd  
More information: 17838375098 Mrs. Elena

唐山联强高速钢轧辊加工实例  
TANGSHAN LIANJIANG  
HSS Roll Machine Example



Φ14规格碳化钨辊环加工实例  
D14mm TC Ring Machining Example



Φ8规格碳化钨辊环加工实例  
D8mm TC Ring Machining Example



日本三菱碳化钨辊环加工实例  
Japan MITSUBISHI TC Ring Machine Example

### 机床用途 Application of Machine Tool

本公司研制的WXK-500C型带肋钢筋轧辊横肋槽数控加工机床是国内目前唯一不需要拆卸、更换移动部件，也不需要电气切换，在同一台机床上实现飞刀铣槽和标记雕刻两个功能的组合机床，获得国家专利(ZL2004 20054813.0)。该机床采用进口控制系统，各控制轴均采用独立伺服电机及驱动控制。

The CNC Notching and Marking machine model WXK-500C is specially designed for notching and marking on the cast iron, high speed steel and tungsten carbide rolls. This multifunctional machine has obtained Chinese national patent (ZL 2004 20054813.0). It applies SIEMENS controlled system with high efficiency and precision. Four main shafts are controlled by independent servo motors and drives. Currently, WXK-500C CNC notching and marking machine is the most popular model in Chinese and World's market for this application.

### 主要技术参数 Main Technical Parameters

加工轧辊最大直径 Maximum Diameter of Roll	500mm	
加工轧辊最小直径 Minimum Diameter of Roll	50mm	
加工轧辊最大长度 Maximum Length of Roll	2500mm	
加工横肋槽规格 Specification of Processing Transverse Rib Groove	Φ6mm~Φ50mm	
雕刻头电主轴额定功率 Rated Power of Electric Spindle of Engraving Head	2.2KW	
冷却泵电机功率 Power of Cooling Pump Motor	90W	
飞刀铣削最高转速 Maximum Milling Speed of Fly-cutter	650r/min	
雕刻头电机最高转速 Maximum Speed of Engraving Head Motor	12000r/min	
控制系统 Control system	Siemens 808D	
伺服电机额定扭矩 Rated torque servo motor	X轴 X Axis	8.34N.m
	Y轴 Y Axis	11.5N.m
	Z轴 Z Axis	8.34N.m
	A轴 A Axis	18.6N.m
机床外形尺寸(长×宽×高) Machine Overall Dimension (L×W×H)	4500×1700×2100mm	
机床重量 Machine weight	7000kg	

The high-precision heavy-duty CNC roll crescent groove machine tool has the advantages of high degree of automation, high processing accuracy, high cutting efficiency, safe and reliable operation, etc. The machine tool can complete milling, slot jumping and lettering in one clamping, and does not require secondary clamping of the roll.

The machine bed is a three-parallel guide heavy-duty roll processing machine structure. The bed width must reach 910mm and the saddle width must reach 810mm to ensure that the machine tool has sufficient rigidity and vibration resistance as a whole, so as to be suitable for milling high-hardness tungsten carbide roll rings and high-speed steel rolls and composite rolls.

The longitudinal movement of the large slide of the machine tool is equipped with a locking mechanism to ensure that there is

no waste groove caused by center offset when processing high-hardness rolls or performing large cutting.

#### Main Features:

##### 1. Notching (base function)

CNC machine can notch ribs for the deformed steel bar with all standard. The CNC machine use 4 server motors

X axis :notch tool feed forward or turn back.

Y axis: the roll turning with worn gear

Z axis : notching tool turning on the level surface with gear drive.

A axis: the notch tool move from the left to the right.

##### 2. Marking ( basical function)

CNC machine can mark on the surface of the roll.

Marking cutter feed forward or turn back, and move from the left to the right

x axis : notching tool feed forward or turn back.

Y axis: the roll turning with worn gear

A axis: the notch tool move from the left to the right

S axis: high speed of the marking cutter spindle turning

### Technical Specification

Specification	WXK-500C	WXK-500K
Max. diameter of the processed roller	500mm	500mm
Min. diameter	50mm	50mm
Max. length of the processed roller	2500mm	2500mm
Max. length of the processed roller surface	1800mm	1800mm
Specifications of the processed crescent groove	Φ 6~ 50	Φ 6~ 50
B angle of the processed crescent groove	Any	/
Creautre groove jump	Any	/
Transverse movement speed (X axis)	0~6000mm/min	/
Workpiece rotation speed (Y axis)	0~30rpm	0~30rpm
Flying cutter milling speed (A axis)	0~600rpm	0~600rpm
Engraving head motor model rated speed	D85 24000rpm	D85 24000rpm
Cooling pump motor	AB25-90W	AB25-120W
Control system	Siemens 808D	Siemens 808D
Servo motor rated power	X axis 1.75kw	X axis 1.75kw
	Y axis 2.5kw	Y axis 2.5kw
	Z axis 1.75kw	Z axis 1.75kw
	A axis 3.5kw	A axis 3.5kw
Minimum programming amount	0.001mm	0.001mm
Chuck Form	Four claws 400mm	Four claws 400mm

#### More Machine Photos:







**Advantages:**

We can provide 7x24-hour online pre-sale service, engineer follow-up order service, and logistics delivery operation service. And also we can provide installation services. In addition, with more than 15 years experience of various markets, we can help customers successfully complete a series of services from purchasing to goods Customs clearance, thereby saving times and also reducing customers' costs in all aspects.

**Our advantage:**

- 1: With CE, ISO certification.
- 2: Full production tracking.
- 3: Professional engineers can guarantee the highest quality.
- 4: More suppliers as alternatives, guarantee your lowest and competitive price.
- 5: Sales staff with more than 10 years experience, will answer your pre-sales and after-sales questions.
- 6: OEM production is available, to meet customer needs
- 7: Low MOQ (1 unit) is available.
- 8: 24 hours technical support.

**Warranty period:**

During warranty period (one year), if you have any parts broken because of quality problem, we will supply to you free of charge by express.

Out of warranty period, if you have any question, you can contact us, we will supply our best service to you as usual.

1. Technical support online service provided .
2. Technical files service provided.
3. Machine operation video provided
4. On-site training service provided.
5. Spare parts replacement and repair service provided.
6. All of the questions will be replied within 24 hours

**Contact:**



**河南百顺机械设备有限公司**  
Henan Baishun Machinery Equipment Co., Ltd.  
Office Address: No. 65, Tianming Road, Jinshui District, Zhengzhou City, Henan Province, China

**Ms. Elena Xie**  
(Sales Manager)

Ph:/Whatsapp: +86 17838375098

Email: elena@goodlathe.com

Tel:+86 371-55661885



**Henan Baishun Machinery Equipment Co., Ltd.**



+8618939515188



sale@goodlathe.com



lathemach.com

No.65, Tianming Road, Jinshui District, Zhengzhou City, Henan Province, China