



## Tungsten Carbide Roller Grooving CNC Roll Notching And Engaving Machine

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: BAISHUN
- Certification: CE ISO
- Model Number: XK-500K
- 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 Notching And Engaving Machine
- Model: XK-500K
- Max. Swing Diameter: 500mm
- Min. Swing Diameter Of Roll: 50mm
- Max. Turning Length: 2500mm
- Function: Roller Notching And Marking
- Application: Roll Turning And Notching
- Automataice: Full CNC Control
- Machine Weight: 7300KG
- Key Words: CNC Roller Turning And Notching Machine
- Highlight: **CNC Roll Notching Machine, Engaving Machine Roller Grooving, Tungsten Carbide Roller Grooving Machine**



### More Images



## Product Description

### Tungsten Carbide Roller Grooving CNC Roll Notching And Engaving Machine

#### Product Description

XK-500KZ high-precision heavy-duty CNC milling machine 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 roller. The machine bed is designed with three parallel guide rails. The width of the bed must reach 910mm and the width of the saddle is 810mm, which ensures that the machine tool has sufficient rigidity and vibration resistance as a whole, so as to be suitable for milling high-hardness tungsten carbide roller rings and high-speed steel rollers and composite rollers. 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 rollers or performing large cutting. The flying cutter milling body and the swing milling body are installed relative to each other, and the two do not interfere with each other.

The conversion of milling and lettering functions can be realized without disassembling and assembling parts, and no electrical switching is required. The flying cutter mechanism transmits power to the flying cutter milling head spindle through 5-level precision ground gapless gears (the gears are P5-level ground gears, and the tooth surface hardness is HRC52-55), so as to increase the output torque to ensure the smooth milling of large-size threads. Due to the characteristics of high-precision gapless helical gears, stable transmission accuracy, large contact area, strong load-bearing capacity, and no relative displacement. At the same time, the gear surface is ultrasonically quenched to have high tooth surface hardness and wear resistance.

Good lubrication conditions can ensure that the tooth surface is not easy to wear for a long time and the transmission torque is large, which can also ensure the life of the machine tool. (The latest screenshot of the flying cutter structure is attached on the last page) The machine tool bed is aged or completely annealed, and the guide rails are treated with medium frequency quenching to reach HRC48°-52° to improve the wear resistance of its surface; the horizontal feed guide rails use rolling linear guide rails to reduce friction damping and improve movement accuracy. Under normal use, the straight line is guaranteed not to wear for 10 years. The rail is guaranteed not to wear for 10 years. The engraving and milling axis adopts an electric spindle (customized by our factory: sufficient rigidity, uniform force, good heat dissipation, high configuration) to be directly installed without excessive connection, and can be arbitrarily engraved on rollers of different materials.

#### 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 provides 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:**



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