

CTPTC

China-Techpart



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China-Techpart Precision Technology Co., Ltd.

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China-Techpart Precision Technology Co., Ltd.

COMPANY PROFILE

China-Techpart Precision Technology Co., Ltd (short as China-Techpart) is a professional international export company specializing in producing conveyor belt roller punching press bearing housings and relative sealing. Also we are engaged in mine engineering related accessories, sorts of precision punching press products, injection mould and machinery spare parts. We can produce different kinds of roller bearing housing and relative sealing, which have been supplied to large conveyor belt factories and roller factories. We relies on excellent quality, professional service and many years accumulated rich experience & brand advantage, which has entered into the rapid win-win development period with wholly owned holding factory many years. Our business has extended all over the world such as Mexico, Russia, Chile, Brazil, UK, USA etc, which has established good relationship with famous customers in main countries and region of the world. Our global market share is growing bigger and bigger. We already received highest recognition more than 50 countries and over 200 customers with highest quality and professional service which is the cornerstone of rapid expansion in the international market .

We wholly owned holding company which have 4 advanced technology punching press production lines, high precision injection production center, as well as modern mould machining center. Now we are China' s largest and most complete varieties professional punching press bearing housing and sealing parts manufacturing. Our production ability over 5 million sets of bearing housing annually, All export products will be checked by equipment imported

from Italy, the tolerance is accurate to 0.001mm, which ensure the products diamonds quality. China-Techpart can supply belt conveyor roller bearing housing and sealing type such as TK, TKII, and DTII etc. China-Techpart also can produce in according with your exact requests. China-Techpart products are leading level in the domestic market. Meantime, in according with the GB/T19001-2008 QMS standard, China-Techpart had drawn up and released the scientific and standardized quality management documents to perfect the QMS which can ensure the company continues to provide 100% customer satisfaction of products and service, enhanced the international competitiveness of the company' s products.

Adhering to the principle of "develop together with grateful heart and contribute society endlessly" , China-Techpart holds the hope that we work together to create brilliant future with high-quality product, reasonable price and best service. China-Techpart focus on a strategic further, for build company unique "China-Techpart" world brand. Our goal is to make the "China-Techpart" as the Chinese bearing housing appellation.

China-Techpart unique business principle:

"Develop together with grateful heart and contribute society endlessly" with high quality product, efficient global services, high society responsibility, dedicate to the society.

China-Techpart unique business goal:

Make "China-Techpart" to be a landmark brand of China bearing housing around world market.



Series Product of China-Techpart

托辊轴承座 (Conveyor Roller Bearing Housing)

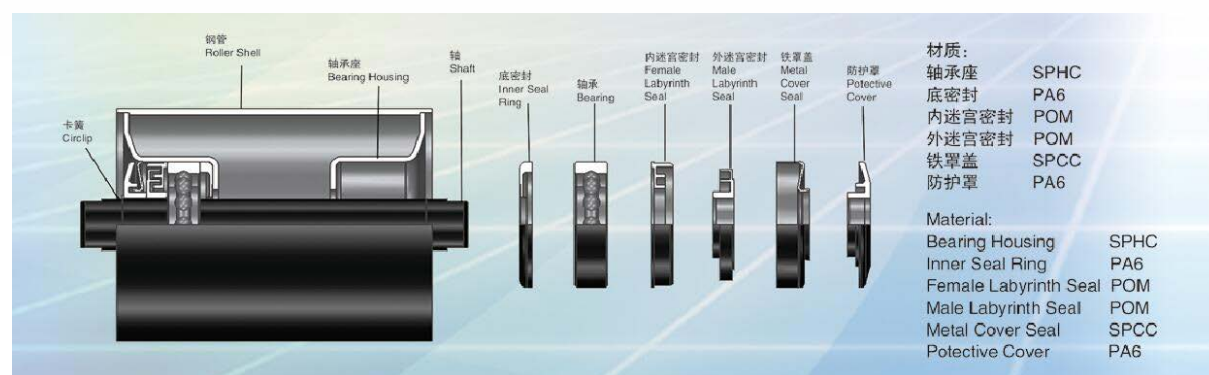
TK Type

Our punch press bearing housing and the relative seals have the advantage of high precision, good gloss, without stretching scars or burrs. Steel materials are from Shanghai Baosteel Group, which is the best steel maker in China, so quality is guaranteed.



A full set of TK series bearing housing and relative sealings including 6 parts:

- | | | | |
|--------------------------|-----|------------------------|-----|
| 1. Bearing housing | 1pc | 4. Male labyrinth seal | 1pc |
| 2. Inner sealing ring | 1pc | 5. Metal cover | 1pc |
| 3. Female labyrinth seal | 1pc | 6. Protective shield | 1pc |

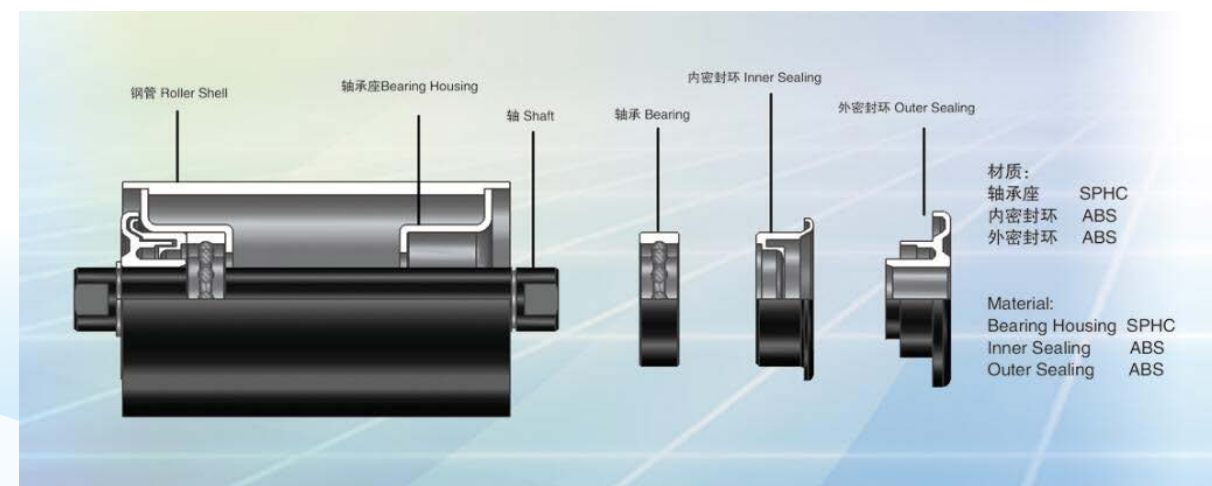


TKII Type

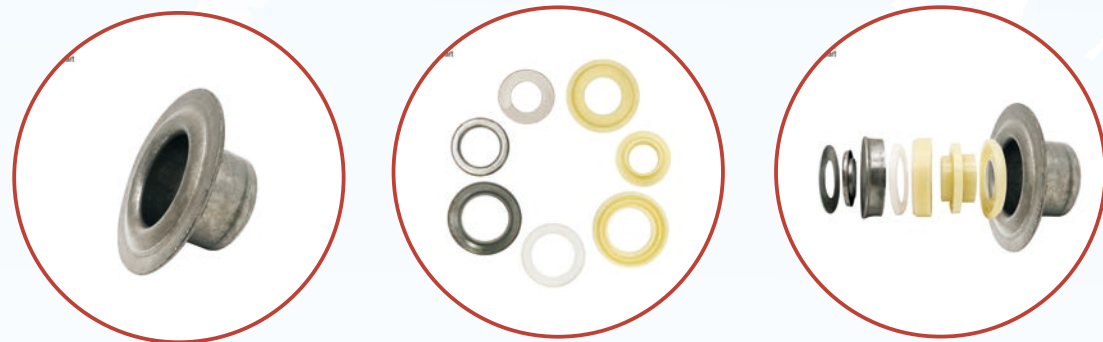


A full set of TKII series bearing housing and relative sealings including 3 parts:

1. Bearing housing 1pc
2. Inner sealing 1pc
3. Outer sealing 1pc

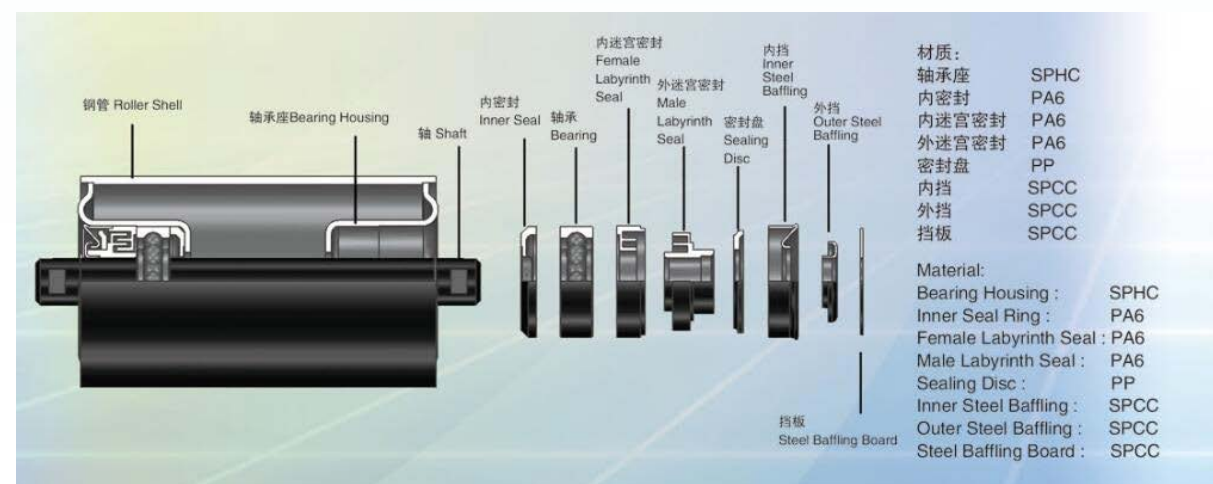


DTII Type

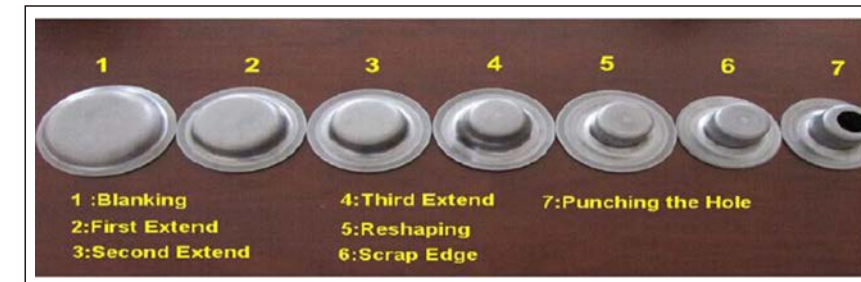


A full set of DTII series bearing housing and relative sealings including 8 parts:

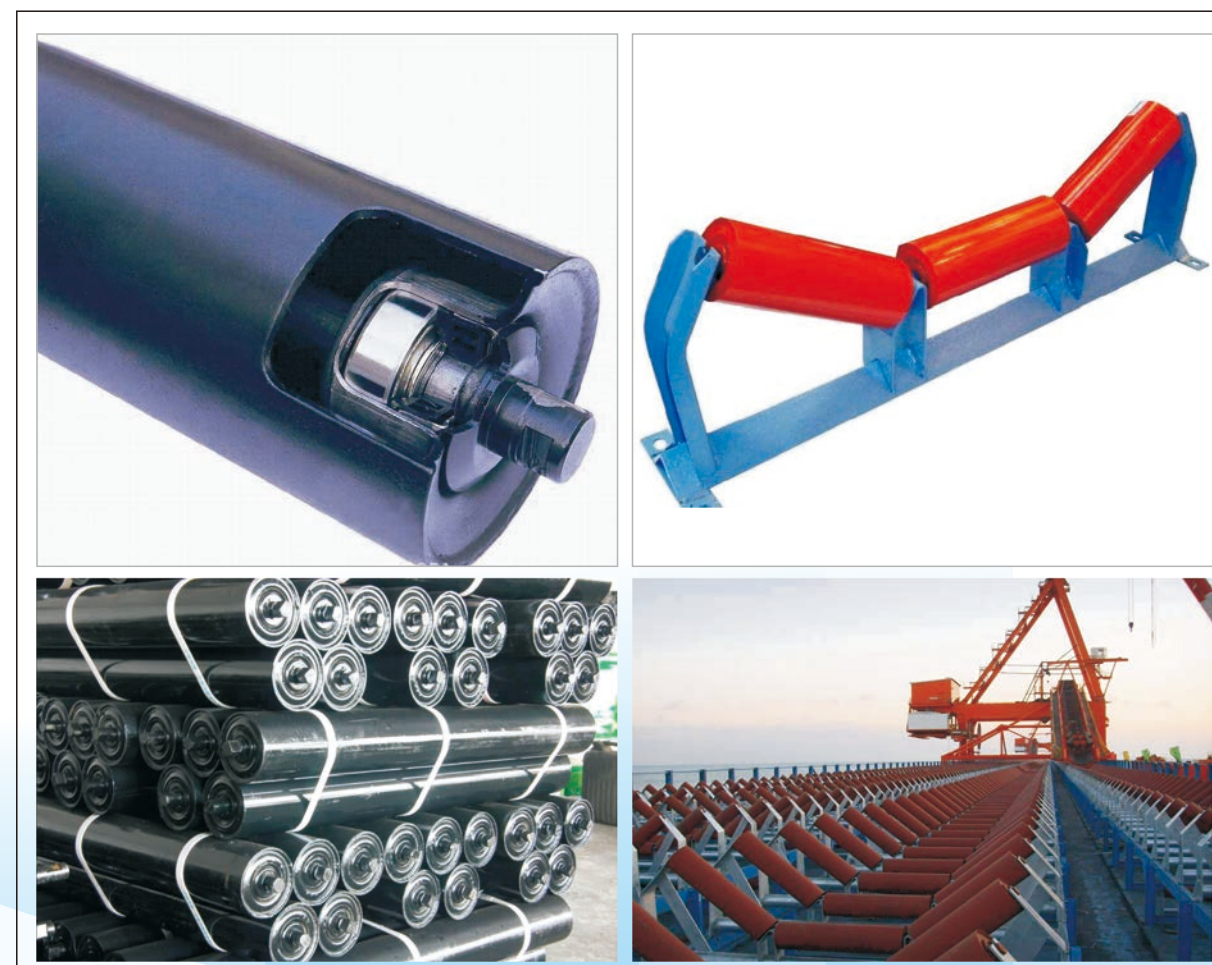
- | | | | |
|--------------------------|-----|-------------------------|-----|
| 1. Bearing housing | 1pc | 5. Sealing disc | 1pc |
| 2. Inner sealing ring | 1pc | 6. Inner steel baffling | 1pc |
| 3. Female labyrinth seal | 1pc | 7. Outer steel baffling | 1pc |
| 4. Male labyrinth seal | 1pc | 8. Steel baffling board | 1pc |



Technological Process Flow :
7 steps to finish a bearing housing metal cap



Series Product of China-Techpart
(Conveyor Roller)



Series Product of China-Techpart 输送带 (Conveyor Belt)

PVC Belts

PVC belts is made of polyvinyl chloride, with good elasticity, horizontal stability and non-distortion. The working temperature is -10°C-80°C. It can be applied in cement, coal, mine industry with all kinds of complicated situation.



Rubber Belts

Rubber belts has good hot/cold resistance, abradise resistance and oil resistance, GB7984-2001 standard, tensile strength is 15mpa, tensile elongation is 350%, abrasion loss $\leq 200\text{mm}^3$. It can be applied in cement, coal, mine industry.





Series Product of China-Techpart

托辊生产设备 (Conveyor Roller Processing Equipment)

● 钢管自动倒角切断机床
Steel Pipe Chamfering & Cutting Machine



1. Main application and range of use

The device is belt conveyor roller chamfer on both ends of the steel pipe cutting, a completion of special equipment, does not need auxiliary processing after chamfering, cutting, its precision can satisfy the requirements of the roller tube, applicable to domestic and foreign production of belt conveyor roller steel pipe cutting processing. In addition to the feeding, the rest of the process (feeding, positioning, clamping, chamfering, cutting) automatically on the device, adjustment is simple, reliable, high degree of automation, using hard alloy cutter machining, high work efficiency. The equipment adopts the advanced imported from Japan programmable controller (PLC) as core of control system. Limit the use of advanced non-contact switch, accurate and reliable action. Applicable to large quantities of specialized production.

2. Application conditions

This machine can be used within no more than 1000 meters, the environment temperature + 10 ~ 40 °C, no dust and all kinds of corrosive medium. Processed tubes to remove floating rust.

3. Specifications and main technical parameters

(1)main parameters

Specifications	QZ11-16×220	QZ11-22×260
Spindle center height	800mm	800mm
Hydraulic system working pressure	1.5-4MPa	1.5-4MPa
Spindle speed	150、220 r/min	100、160、250 r/min
Feed speed	Hydraulic stepless adjustable	Hydraulic stepless adjustable
Feeding speed	0-8m/min Hydraulic stepless	0-8m/min Hydraulic stepless adjustable
The maximum feed length	12000 mm	12000 mm
Spindle motor	15 kW	22 kW
Hydraulic system motor	5.5 kW	5.5 kW
Feeding mechanism	Hydraulic motor 150NM	Spindle wheel swinging reducer 2.2kw
Cut pipe length	200-2200 mm	200-2600 mm
Cut off the pipe diameter	Φ89-Φ159 mm	Φ89-Φ219 mm
Equipment dimensions	19090×1640×1210 mm (including orbit)	20310×2420×1250 mm (including orbit)

(2)working accuracy

Specification	QZ11-16×220	QZ11-22×260
Accuracy of the repeat cutting	≤0.5 mm	≤0.5 mm
Parallelism of cutting both ends	≤0.4 mm	≤0.4 mm
Roughness Ra of Chamfering Surface	6.3~12.5μm	6.3~12.5μm

钢管双端自动车孔机床 Steel Pipe Double-ends Automatic Hole Milling Machine



1. Main application and range of use

The machine is processing of the rollers on both ends of the pipe belt conveyor automation special equipment. Use all types of cast iron or pressing bearing rollers who product at home and aboard, then the pipe seam allowance can be processing on the equipment

The machine adopts mechanical fast clamping device, clamping reliable, adjustment for clamping force is simple and convenient. cutting tool feed driven by hydraulic pressure, can be stepless speed regulating, And left and right two feed cylinder adopts hydraulic synchronous circuits, can feed and return at the same time. Adopts manual way if radial feed ,it can be adjusted according to processing requirement accurate location. Futhermore, equipped with hydraulic automatic knife when cutting tool feed to the persent position (dead point) the knife back-off automatically, to avoid of scratch for processed surface. Electric control part adopts imported Japan programmable controller (short for PLC) as core of control system.

The machine with high reliability, simple operation and convenient maintenance, wide applicable range, high working efficiency, and especially suitable for large quantities of roller processing.

2. Application conditions

This machine can be used within no more than 1000 meters, the environment temperature + 10 ~ 40 °C, no dust and all kinds of corrosive medium. Processed tubes to remove floating rust.

3. Specifications and main technical parameters

(1) main parameters

Specifications	QZ12-16×220	QZ12-22×260
Spindle center height of machine tool	900mm	900mm
Hydraulic system working pressure	1.5-4MPa	1.5-4MPa
Rotate speed of spindle	350、500r/min	350、500r/min
Feeding speed	Hydraulic sleepless adjustable	Hydraulic sleepless adjustable
Main driving motor	7.5kW 1450r/min	7.5kW 1450r/min
Hydraulic system of the motor	2.2 kW	2.2 kW
Slide moving motor	3 kW	3 kW
Pipe diameter of cutting	Φ89-160mm	Φ89-219mm
Cut off steel pipe length	200-2200mm	200-2600mm
working depth	0-70mm	0-70mm
Working Rhythm	Cutting time 40s/pcs	Cutting time 40s/pcs
Equipment size	5300×1120×1200mm	5700×1120×1200mm

(2)working accuracy

Specification	QZ12-16x220	QZ12-22×260
Processing transverse spacing tolerance of both ends seam allowance	≤0.2 mm	≤0.2 mm
Surface roughness	6.3~3.2μm	6.3~3.2μm

二氧化碳气体保护双枪自动焊接机 CO2 Gas Shield Double Gun Automatic Welding Machine



1. Main application and range of use

2×350KRNZC automatic CO2/MAG auto welding machine adopted with imported programmable controller (PLC) as the core of the control system instead of traditional relay logic control circuit, which improved equipment reliability scope and work efficiency greatly.

The machine using CO2, Ar + CO2 gas, Ar + CO2 + O2 etc. as the welding protective gas or drug core welding wire + CO2 protective welding method when working. With H08Mn2SiA welding wire from $\phi 1.0 \sim \phi 1.2\text{mm}$, the flat ring welding line and the angle of inner (outer) girth welding line of the hydraulic oil cylinder, fire equipment, belt conveyor roller, automobile drive shaft rotary could be welded.

The welding process of the machine is automatic. This type of automatic welding machine is our company's finalized product, it is a high degree of automation, high efficiency and high welding quality machine, and it also greatly reduce the labor intensity of welders.

2. Specifications and main technical parameters

Specification	NZC-2x200KR -220	NZC-2x350KR -260
Power input	Three phase 380V50Hz	Three phase 380V50Hz
Rated duty cycle	60%	50%
Welding current	50~200A	60~350A
Output voltage	15~25V	16~36V
Rated capacity	7.6kVAx2	18.1kVAx2
Applicable wire diameter	$\Phi 0.8 \sim \phi 1.0\text{mm}$	$\phi 1.0 \sim \phi 1.2\text{mm}$
Gas flow	10~25L/min	10~25L/min
Applicable workpiece length	200~2200mm	200~2600mm
Applicable workpiece diameter	$\phi 60 \sim \phi 250\text{mm}$	$\phi 60 \sim \phi 250\text{mm}$
Spindle speed	1~6r/min	1~6r/min
Hydraulic cylinder travel for workpiece lifting	50mm	50mm
Horizontal thrust cylinder travel	50mm	50mm
Torch feeding cylinder travel	0~4MPa	0~4MPa
Torch right-and-left oscillation	$\pm 45^\circ$	$\pm 45^\circ$
Dimension	3900x950x1300mm	4300x950x1300mm

托辊自动压装机床
Roller Automatic Press Installation Machine



1. Main application and range of use

This product is a belt conveyor roller semi-automatic assembly equipment which with full hydraulic pressure, it's applicable to the current domestic production of various kinds roller's intallation (e.g., cast iron bearing housings, stamping welding bearing housing).

When working, artificial feeding, double head pressing installation, it could instal the cast iron bearing housing, bearing, seal, dust cover many times. This machine is reliable and practical, high efficiency, suitable for mass production of roller.

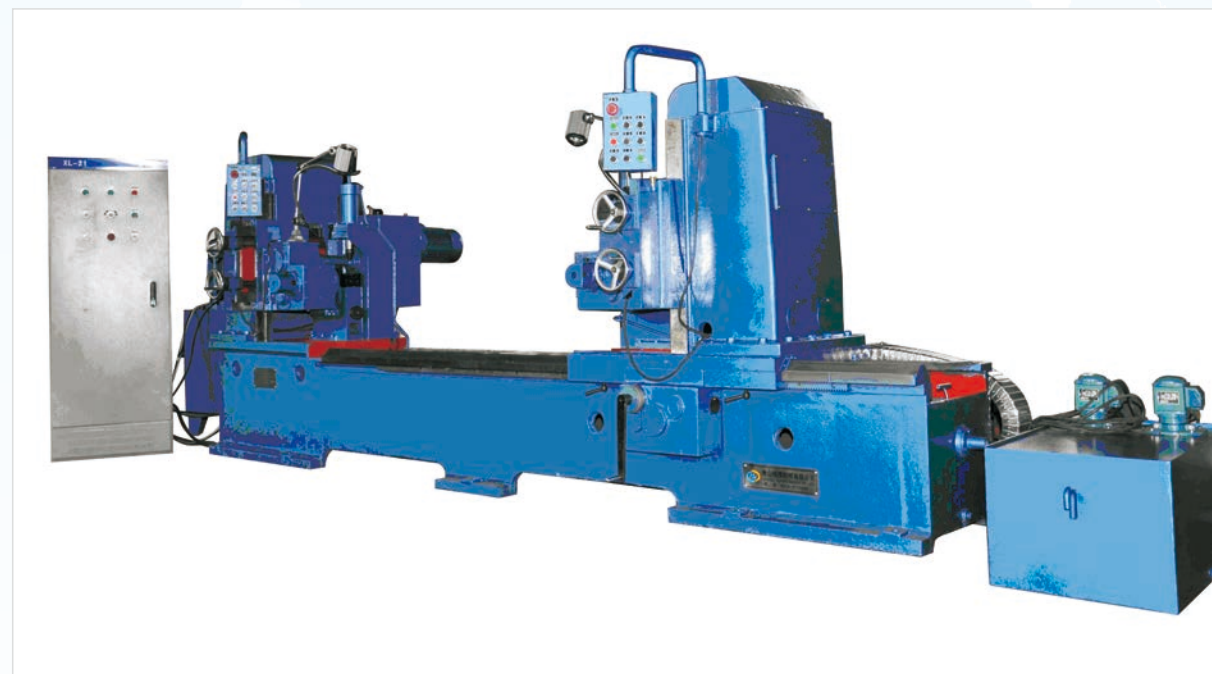
2. Application conditions

This machine can be used within no more than 1000 meters, the environment temperature + 10 ~ 40 °C, no dust and all kinds of corrosive medium. Processed tubes to remove floating rust.

3. Main technical parameters

Specifications	TYJ-16×220	TYJ-22×260
Machine center high	790mm	790mm
Press-fit roller diameter	Φ89~Φ159	Φ89~Φ219
Press-fit roller length	200~2200mm	200~2600mm
Hydraulic system pressure	1.5~4MPa	1.5~4MPa
Maximum compressive loading force	6000Kgf	6000Kgf
Two press-fit spindle concentricity error	≤0.1mm	≤0.1mm
Hydraulic motor power system	4kw	4kw
Equipment dimensions	4200×820×920mm	4600×820×920mm

托辊轴槽扁双端铣床 Roller Shaft Slot Flat Double-Ends Milling Machine



1. Main application and range of use

This machine is an automatic equipment which could process the two ends of the belt conveyor roller shaft by a single clamping, which could meet the requirements of the processing of roller shaft produced both at home or abroad.

Because every roller shaft has four grooves, the machine has four spindle boxes, a milling cutter is drove by a spindler box to process a groove.

Workpieces are clamped pm the V-shaped iron by hydraulic. Drove by hydraulic, the four spindle boxes move up and down when processing, to realize fast forward, work into (cutting) and fast backward. The electronic control system applied imported programmable controller (PLC) as the center for process control, which with high degree of automation, high efficiency and reliability. It's suitable for volume production of roller shaft.

2. Application condition

This equipment is suitable for ambient temperature +10 ~ 40 °C, no dust or corrosive medium.

3. Specifications and Main technical parameter

Specifications	XZ36-6×230	XZ36-6×270
Spindle speed	500、700、900r/min	500、700、900r/min
Processing roller shaft diameter	Φ20~Φ60mm	Φ20~Φ60mm
Processing roller shaft length	200~2300mm	200~2700mm
The width of the slot machine axis flat	6~45mm	6~45mm
Milling depth	0~5mm	0~5mm
Spindle motor	3kW×2(set)	3kW×2(set)
Pump motor	4kw	4kw
Hydraulic system working pressure	1.5~4MPa	1.5~4MPa
Hydraulic system working pressure	31L/min	31L/min
Cooling pump motor	125W×2	125W×2
Equipment dimensions	4050x1300x1600mm	4450x1300x1600mm

铣轴端打中心孔倒角机床
Milling Spindle Centering Hole Chamfering Machine



1. Main application and range of use

The product is a special equipment for centering chamfering on both ends of the belt conveyor roller milling face. This equipment is development after pipe chamfering cutting machine, hole turning machine and welding machine for conveyor industries.

The machine adopts a v-shaped block, using cylindrical positioning, hydraulic clamping, double end processing at the same time, and completes axial positioning, surfacing cutting, center hole processing and shaft end chamfering process. It's positioning accurately and clamping reliable, so it has the character of easy handling and operation, good precision, high production efficiency, etc.

The control system adopts Toshiba programmable controller (PC) and domestic advanced non-contact proximity switch, and the superposition valve system adopts domestic advanced hydraulic, so it's with quick and accurate action, stable and reliable performance, low failure rate, to further ensure the roll shaft end face, center hole machining to work with high quality and high efficiency

2. Specifications and technical parameter

Specification	QXZ-4.5×230	QXZ-4.5×270
Central height of machine	900mm	900mm
The milling spindle speed	635r/min	635r/min
Amount of feed	Hydraulic sleepless adjustable	Hydraulic sleepless adjustable
Diameter of workpiece	Φ20~Φ45mm	Φ20~Φ45mm
Length of workpiece	300~2300mm	300~2700mm
Drilling spindle speed	730r/min	730r/min
hydraulic slide stroke	220mm	220mm
Machining precision (alignment)	IT9	IT9
Spindle motor	3kW×2 (set)	3kW×2 (set)
Oil pump motor	4kW	4 kW
Size	4050×930×1400mm	4450×930×1400mm

International Cooperation

China-Techpart business has been exported to more than 50 countries such as Russia, Mexico, Brazil, Chile, Peru, Columbia, USA, Australia, Thailand, Indonesia, Vietnam etc.



International Exhibition



IMME Kolkata India



Mining Indonesia



Construction Power & Mining Myanmar



Expo Manufactura Mexico