

XUZHOU BEILAI ENGINEERING MACHINERY CO., LTD.

BEL 贝莱





BEILAI 贝莱

ABOUT US



Established in 2000, Xuzhou BEILAI Engineering Machinery Co., Ltd. is a professional accessories company in construction machinery industry.

Located in Xuzhou which is known as the centre of China's construction machinery.

BEILAI has 4,500 m² workshop and over 1,000m² office.

徐州市贝莱工程机械有限公司
XUZHOU BEILAI ENGINEERING MACHINERY CO., LTD



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Company Mission



**- To be a world qualified
manufacturer of slewing bearing &
slew drives**



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General

- Est. at 2000
- Staff Number: 160



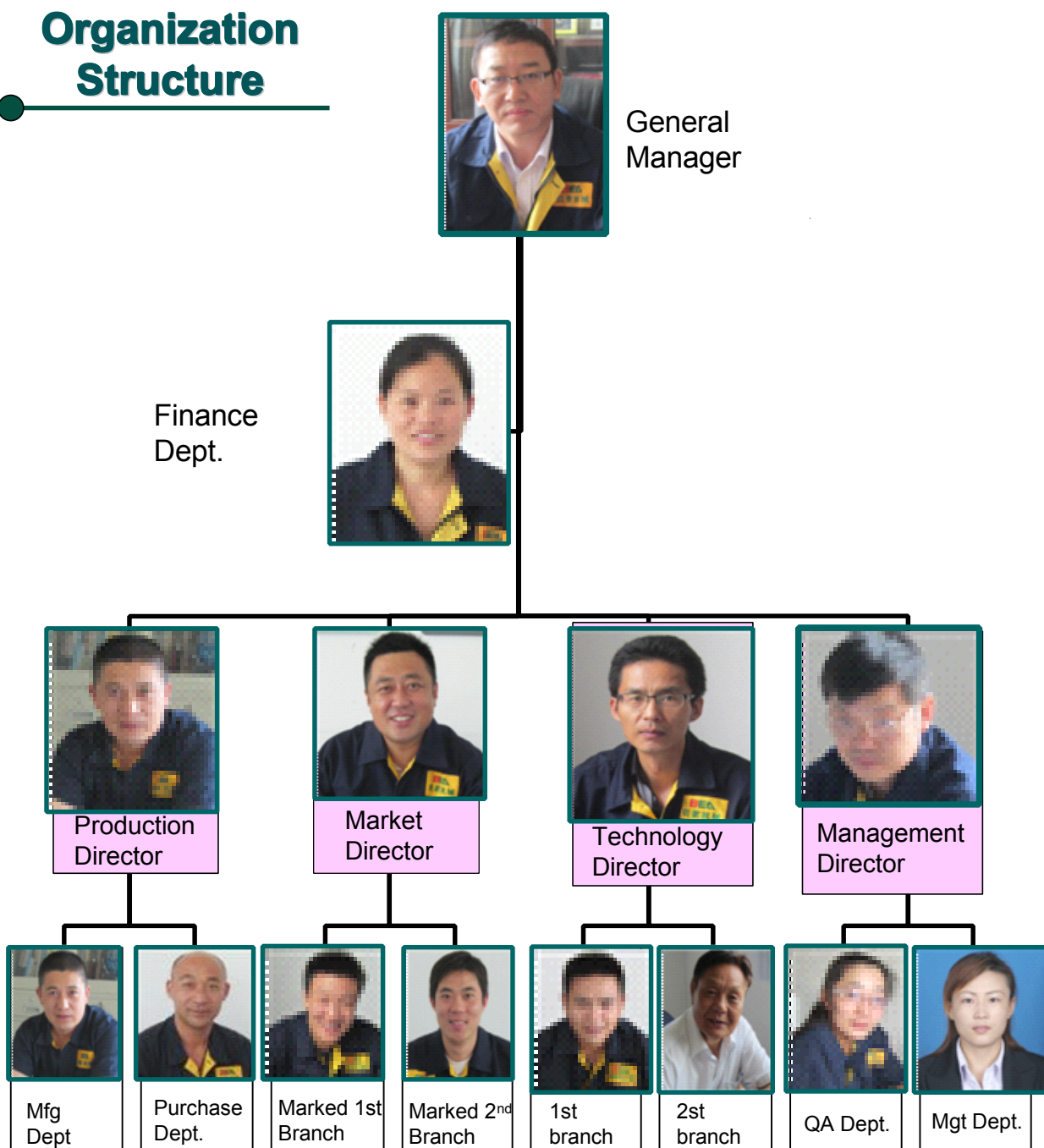
**Standard Workflow: Sales → R&D → Design →
Production → testings → Assembly**

- Workshop area in 2011: 4,500 m²
- Workshop area in 2012: 10,000 m²



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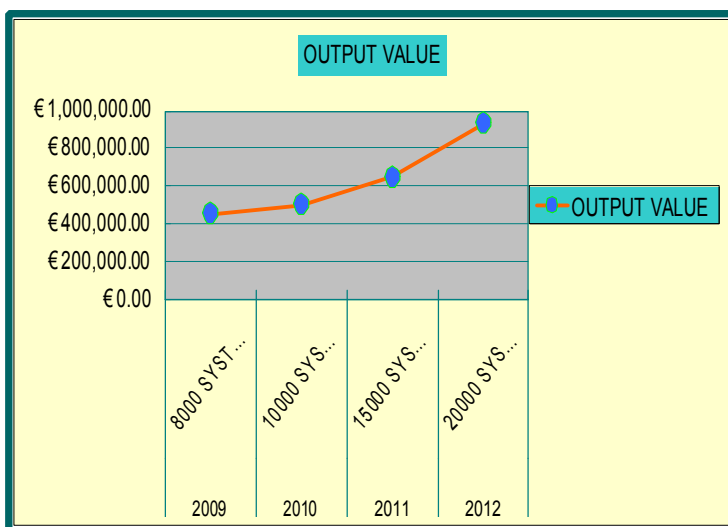
Organization Structure



OUTPUT- MAJOR SLEWING PRODUCTION

**-Capacity in 2011:
15,000 systems**

**-Output in 2011:
0.65 million €**

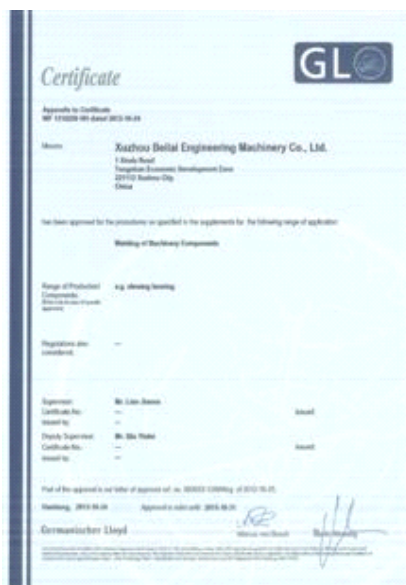


**-Est. Capacity in
2012: 200,000
systems**

**- Est. Output in
2012: 0.9 million €**

QUALIFICATIONS

ISO9001: 2008 Quality Management System



GL Welding Certificate

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QUALITY CONTROL

- Highly follow ISO9001: 2008 quality system standard
- Ensured the establishment , implementation and maintenance of process.
- To keep this as a guide, establish the implementation plan of improvement with corrective & preventive measures, to guarantee quality of product to the hilt.



Realistic & innovative



realizing industry leading

Fine production



casting excellent quality

Pursuit of excellence



promoting management continuously

We deeply control every process step in production

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WORKSHOP

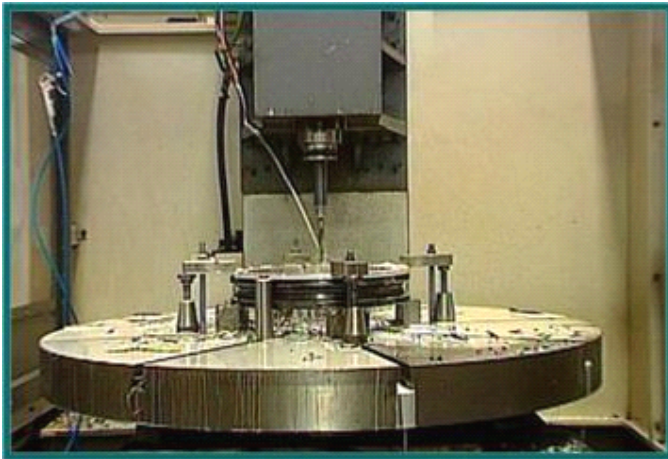


Production line



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WORKSHOP



CNC Drilling Machine



CNC Quenching Machine

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WORKSHOP



Hobbing Machine



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WORKSHOP

Vertical Boring Machine



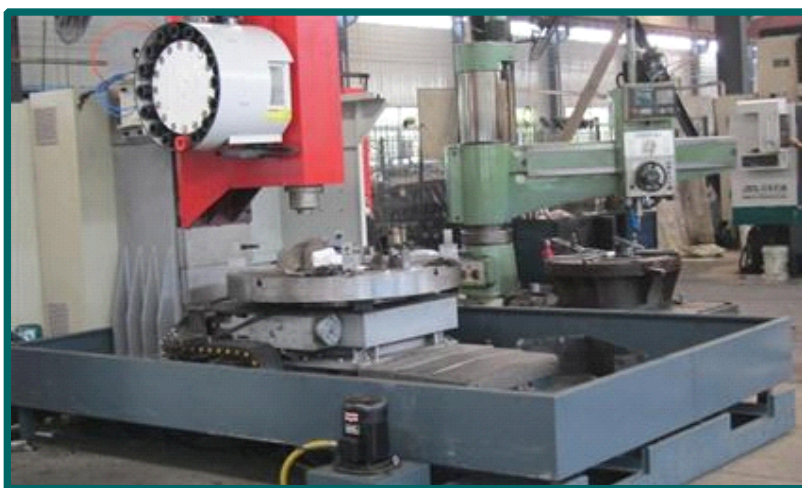
Quenching Device →



WORKSHOP



CNC Lathe



**CNC
machining
center**

PRODUCTS



➤ **Standardize Production**

BEILAI is a professional manufacturer and supplier of slewing bearings, drives gears , machined mechanical parts.



➤ **Tailor-made Production**

Manufacturing according to customer design and requirement.

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APPLICATION

BEILAI's main product are used in excavators, aerial platform, trucks cranes, solar tracking systems, forklift attachment, ship out fitting components and wind power industry, etc.



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我们的客户 OUR CUSTOMERS

🌐 Our customers coming from all over the world,
America, England, Germany, France, Finland, Italy,
Japan, India, Korea and so on.

Hoping you will come to be our customer too.



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MAIN PRODUCT -SLEWING BEARING

Slewing Bearing Classification



Single-row Four Point
Contact Ball Slewing
Bearing



Double-row Ball
Slewing Bearing



Crossed Roller
Slewing Bearing



Inner-tooth



External-tooth



No-tooth



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MAIN PRODUCT -SLEWING BEARING

Feature

- ◆ Completed product catalogue with different specification. And also we could manufacture products according to customers' requirements.
- ◆ Beilai use good lubrication grease and materials that can increase products' resistance and prolong service life.
- ◆ All products from our factory pass through strict inspection and testings.
- ◆ Self-controlled NC Machines with remarkable quenching technology. We could promise uniformity of hardness and deepness with low rate of deformation.
- ◆ NC Drilling Machines controlled by high precision turntable work platform to promise drilling precision.

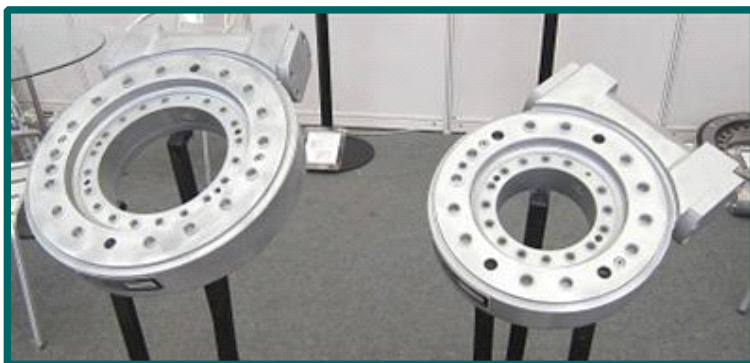


SLEW DRIVE



In a slew drive the rolling elements carry the load between the inner ring and out ring. The raceway system's capacity is determined predominantly by slewing bearing design, the depth of hardening, the number and size of rolling elements.

Spacers separate the rolling elements, and it can decrease friction.



SLEW DRIVE

Structure

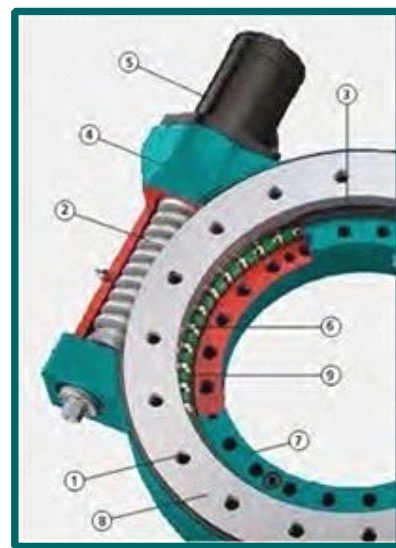
- 1 Slewing bearing
- 2 Worm
- 3 Seal
- 4 Shaft
- 5 Hydraulic or electrical motor
- 6 Rolling elements
- 7 Inner ring
- 8 Outer ring
- 9 Spacers
- 10 Grease nipple



WITHOUT MOTOR

WITH HYDRAULIC MOTOR

WITH ELECTRICAL MOTOR



☀ **Slew drive is compacted with an external gear slewing bearing, one or several toothed drive element, seal, housing and a hydraulic or an electric motor.**

SLEW DRIVE

Slew Drive Feature

- ◆ Outer & Inner ring of slewing bearing and speed change unit together Installed in the casing, then fixed with lower body. The precision of lower body position is not highly demanded.
- ◆ Engagement between dynamic ring and worm wheel slewing bearing should be adjusted to optimum before entire assembly. Setup can be easy and effective.



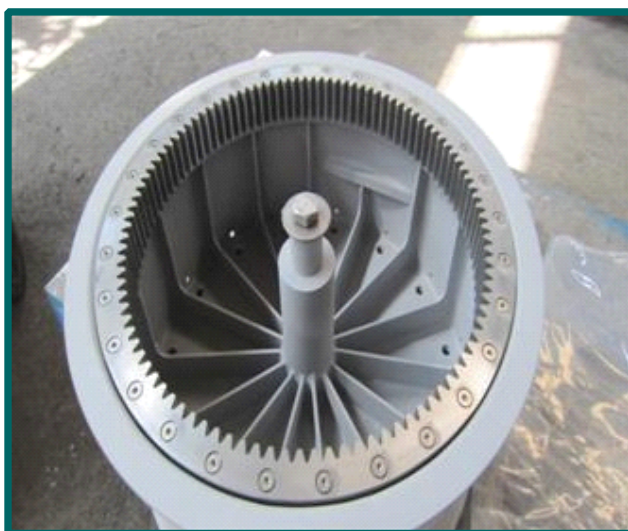
- ◆ Fill in grease, against pollution.
- ◆ Adopting slew drive, big torque, small clearance, keep stable and safe. When power failure, turn by hand, convenient for outdoor use.

SHIPOUT TAILOR-MADE PARTS

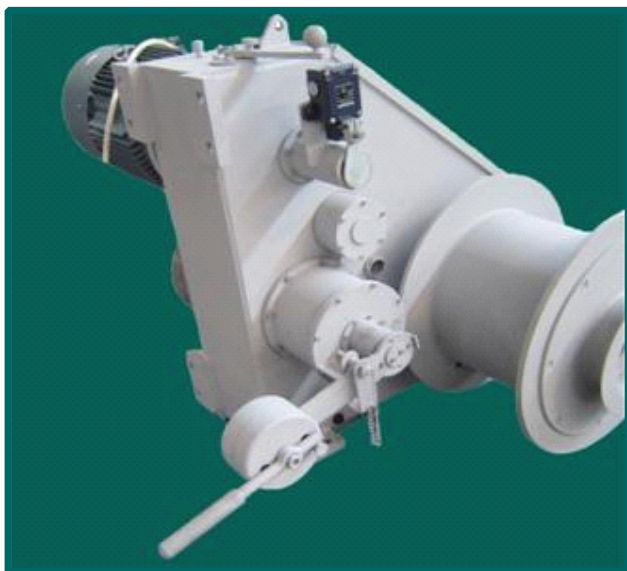


**Crane
Slewing Gear**

**Curtain
Drive**

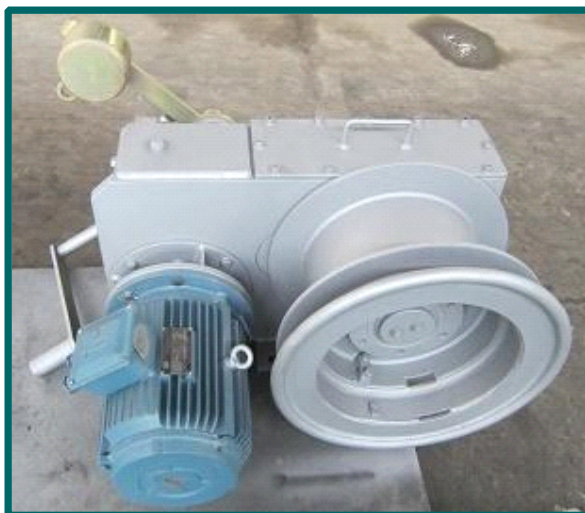


SHIPOUT TAILOR-MADE PARTS



← **Life boat
winch**

Crane Winch →



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谢谢!
THANK YOU!

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