



# **Discover UBC**

UBC Precision Bearing Manufacturing Co., Ltd.







**UBC Precision Bearing  
Manufacturing Co., Ltd.**

To get advantage in the tough global competition, the key is to combine high-end quality and reasonable price. We got great success in it. Not only seize opportunity, but also response to your trust and loyalty, which is believed as a key to our success. Our mission is to provide reliable and efficient products and service.

**Domingo So Peñaloza**  
Founder & Chairman | UBC Group of Companies

In the future, our competitiveness comes from not only devices or hard skills, but also human resources. We put high value on teamwork, open communication, career planning, and continuous internal and external trainings.

**汤荣萍 Tina Tang**  
Director | UBC Group of Companies

We aim to response to the development of global bearing industry and customers' new demands. With stategic investment, we continue to be one of the leading bearing manufacturer in the world.

**白华 Tom Bai**  
General Manager | UBC Precision Bearing Manufacturing Co., Ltd.

# Discover UBC Overview

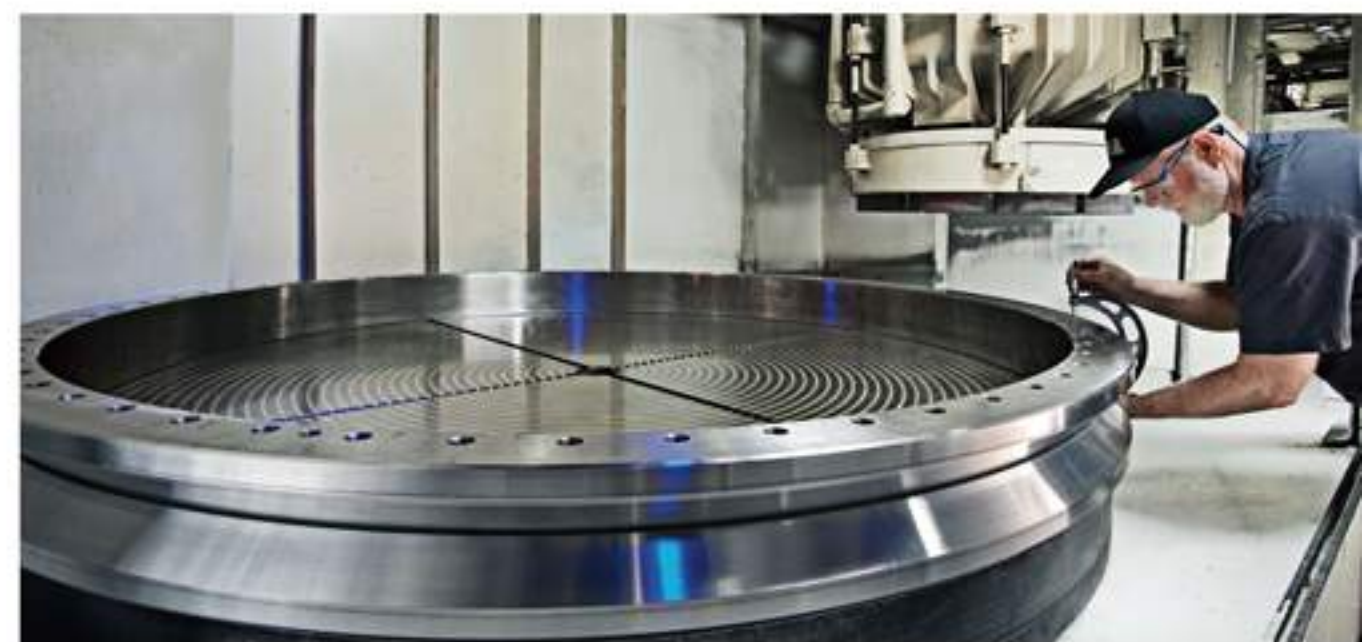
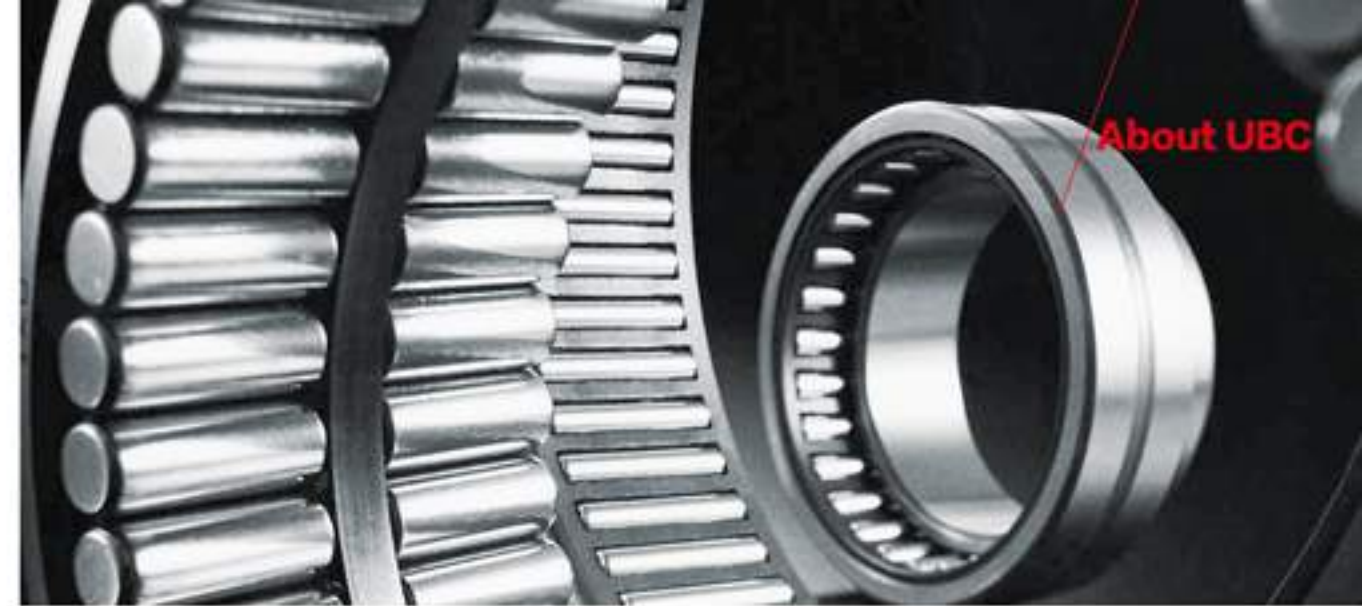


- About UBC
- Advanced Technology
- Excellent Service
- Bearing Products
- Worldwide Presence



Discover  
**UBC**

# About UBC Our Brand



United Bearing Company was founded in 1962, and quickly became the first national distributor of imported bearings in Mainland China. Growing from strength to strength, UBC leveraged the growing industrial capacity of China to build a solid manufacturing infrastructure and now produces a wide array of high quality bearings for a very diverse set of applications.

UBC now has set up sales offices located across the continents, and exclusive partnerships with distributors in key regional markets – all providing Reliability and Innovation through a tightly integrated, global supply chain. With the core offer of competitively priced, high quality bearings now set in place, the next step in this journey is to build a full suite of systems and services to help you get the best for your business.

We invite you to come and Discover UBC.



Successfully received 30 million RMB private equity investment. **2013**

UBC Group 50th Anniversary.  
Successfully issued 25 million RMB private equity in Shanghai Stock Exchange. **2012**

UBC (Suzhou) Bearing Co. Ltd. was established in the city of Changshu, Jiangsu,  
focusing on production of high value and ultra precision bearings. **2010**

UBC Dalian Bearing Co. Ltd was founded,  
focusing on production of large size bearings. **2007**

UBC Precision Bearing Manufacturing Co. Ltd. was founded  
for the operation of UBC brand. **2004**

Invested a bearing ring manufacturing base in the city of Haining, Zhejiang. Haining  
Shangtong UBC holds an 51% shares. **2001**

UBC Investment Co. Ltd. was founded in British Virgin Island and  
registered UBC trademark. **2000**

4000m<sup>2</sup> logistic center was established in Shanghai Free Trade Zone, for the  
operation of the imported brands. **1998**

United Bearing Company came into China, and became  
the biggest distributor of NSK and NTN. **1993**

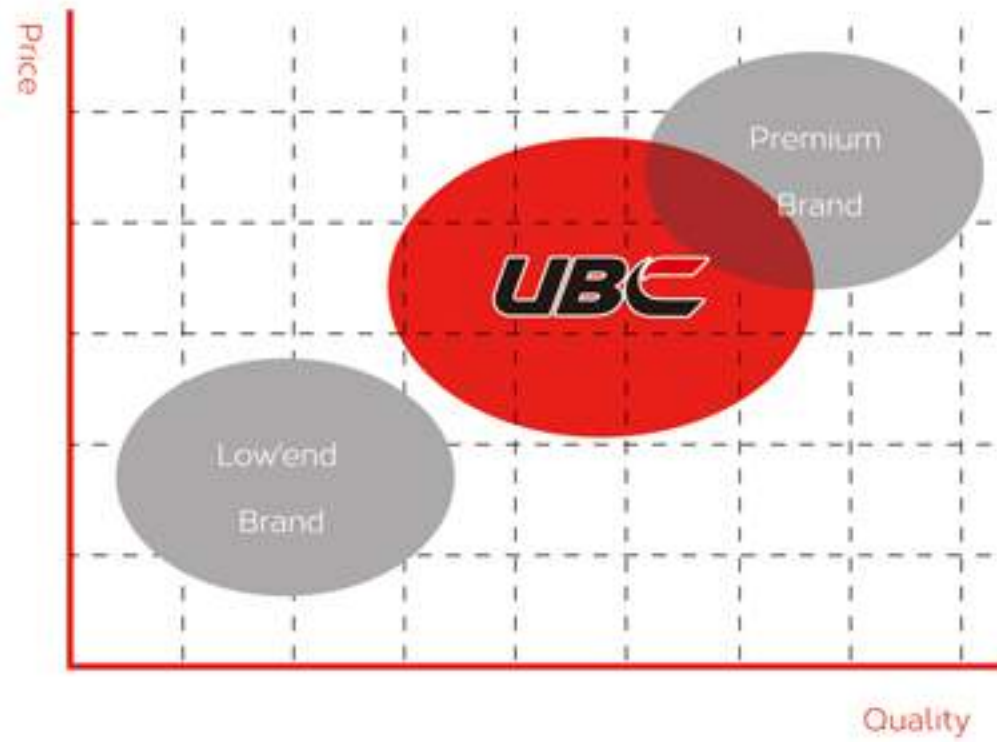
United Bearing Company was founded in Manila, Philippines. **1962**

## About UBC History

Domingo So Peñaloza, UBC Group Chairman visited  
FAG in 1960s.



# About UBC Position



## UBC Cost-efficient Advantage

We have the experience, relationships, and know how to provide value-added solutions for our customer bearings requirements.

With a strong engineering and problem solving background, UBC has become the provider of choice for many of the major equipment manufacturers across the world. UBC provides cost effective, high quality alternative to other bearing manufacturers' products.





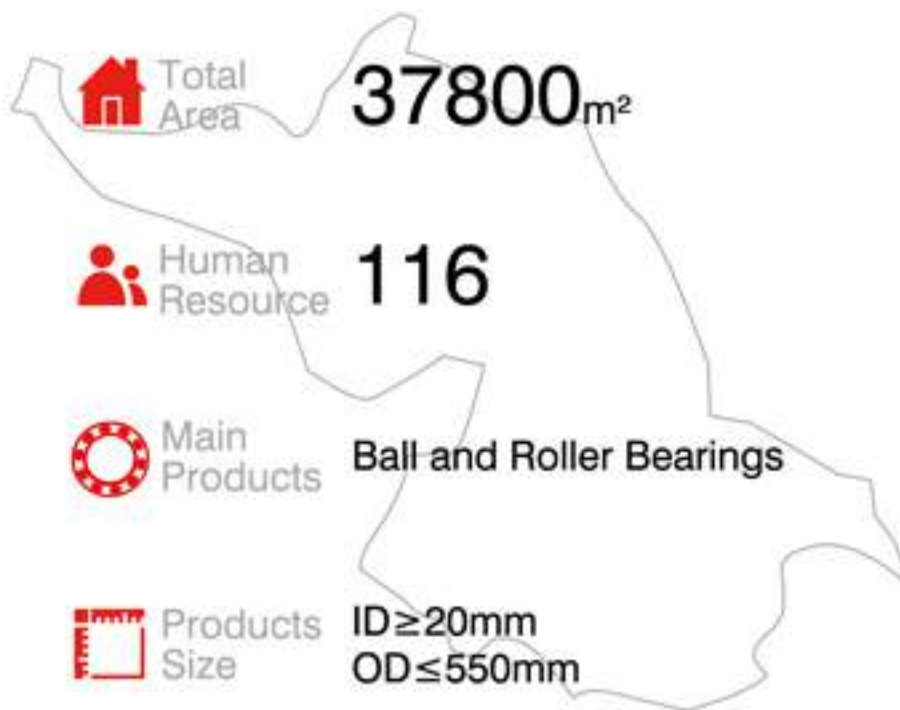
# About UBC Manufacturing

## UBC SHANGHAI SALES HEADQUARTERS

Since 2004, UBC Group established Sales Headquarters in Shanghai, the center of Asian finance. Based on the strategic region, UBC promote its business to all around the world. With more than ten years development, UBC has captured a broad market including construction machinery, general machine, etc., proving its high-end quality assurance.



### UBC HEADQUARTER AND R&D CENTER Suzhou, Jiangsu Province



### UBC ZHONGSHAN



### UBC HAINING



### UBC DALIAN





**Raw Material**  
*UBC focuses on material selection for bearing design. The right material for the right application!*

**Heat Treatment**  
*UBC's expertise in material selection is complemented by state-of-the-art heat treatment technology. True characteristics of the bearing material come out after being subject to heat treatment. Proper temperature and timing is maintained during the process so as to maximize the full potential of the bearing material.*

**Lubrication**  
*A bearing must always use the correct lubricant to function properly and reliably. If not complemented by a suitable lubricant, a well-designed bearing will not function properly.*

**Rolling Elements**  
*Selection of steel balls and rollers is essential in bearing design as this greatly affects bearing life.*

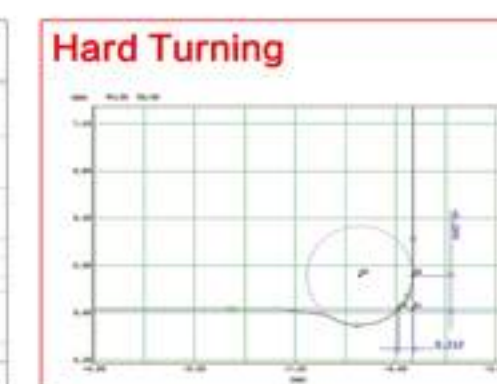
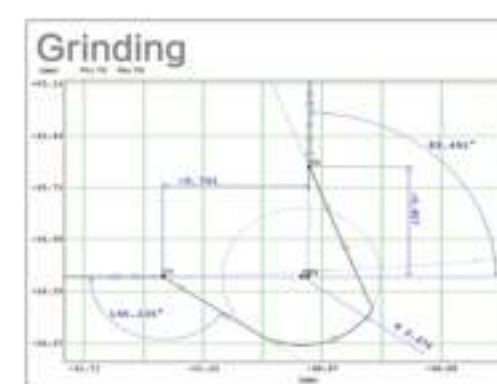
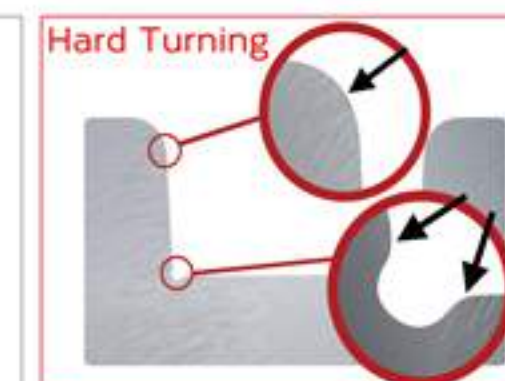
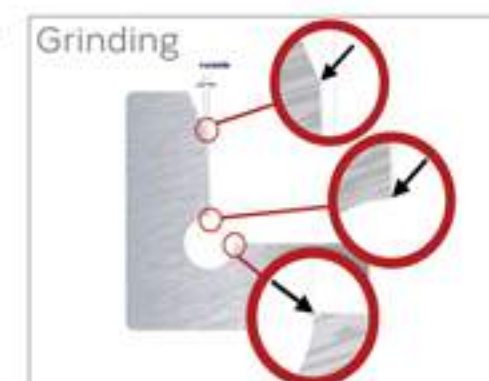


# Advanced Technology Design Focus

UBC introduces most advanced process using the hard-turning technology, instead of the traditional grinding. This new process gives UBC bearings to have a significantly longer life under loads and also have reduced noise and friction thanks to the improved contact between the roller and the ribs. This is certainly an interesting combination when considering downsizing and increasing energy efficiency.

## Benefits to customers

- High axial load carrying capacity due to optimized rib contact
- A higher level of energy efficiency due to the reduced frictional torque
- Lower maintenance costs



- Lower operating costs due to reduced energy consumption
- Increased performance while maintaining the same costs
- Suitable for extremely high radial loads
- Suitable for very high speeds



# Advanced Technology Quality Standards and Controls

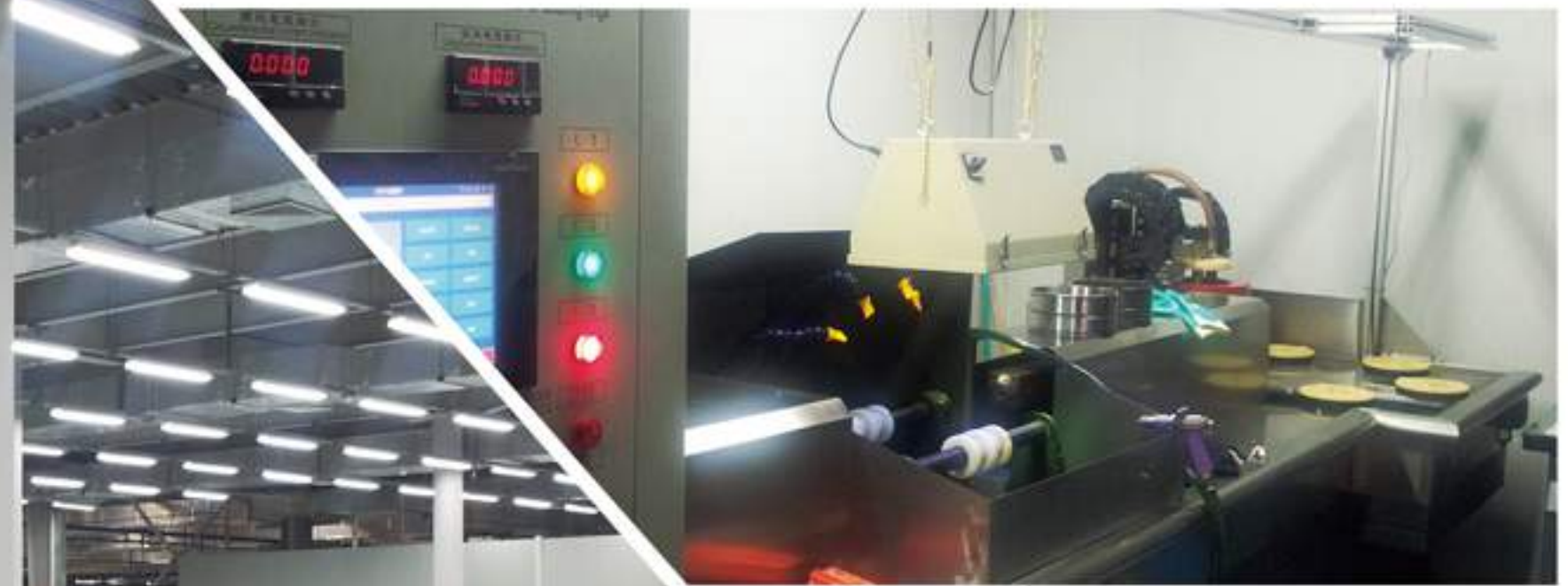
UBC manufactures all of its bearings in conformity with the related international standards in its three owned modern plants that are ISO 9001 and ISO 14001 certified, and audited and approved by several key clients and independent bearing test centers.



**MARH PROFILE METER**



**FLUORESCENT MAGNETIC PARTICLE TESTING MACHINE**



**MITUTOYO ROUNDNESS TESTER**



**ZEISS METALLOSCOPE**





# Excellent Service Service Process

UBC "one-on-one" means clearer communication, better rapport, and faster solutions. One-on-one means better insight on how to provide better services, and clearer understanding of the customer's requirements. UBC has a team of travelling technical representatives who can provide valuable consultation and on-site expertise to help arrange your custom-built requirements. UBC believes that a personalized approach leads to increased customer loyalty, and better productivity on both sides, and is a cornerstone of our growth strategy and corporate culture.

Think "one-on-one". Think "human touch".

## 01 Why Choose UBC?

When it comes to providing highly engineered products that improve productivity and efficiency for industrial applications worldwide, UBC is the most reliable in the industry. Commitment to customer satisfaction and superior value extend across every business function.



## 03 Valuable Expertise

An extensive product offering is accompanied by global sales specialists, customer service and maintenance support teams, available anytime.



## 02 Delivering Lowest Total Cost of Ownership

The highest quality products are designed to help prevent equipment downtime and increase productivity and dependable operation.



## 04 Solutions to Enhance Ease of Doing Business

Commitment to operational excellence ensures the right products at the right place at the right time.





# Bearing Products

## Comprehensive Range

	ANGULAR CONTACT BALL BEARINGS	CYLINDRICAL ROLLER BEARINGS	
DEEP GROOVE BALL BEARINGS	SELF-ALIGNING BALL BEARINGS	TAPERED ROLLER BEARINGS	DOUBLE-ROW FULL COMPLEMENT CYLINDRICAL ROLLER BEARINGS
	BALL BEARING UNITS	NEEDLE ROLLER BEARINGS	



### ▲ DEEP GROOVE BALL BEARINGS

Deep groove ball bearings are versatile, self-retaining bearings with solid outer rings, inner rings and ball and cage assemblies. They are of a simple design, robust in operation and easy to maintain.

They are available in open and sealed designs. Due to the raceway geometry and the use of balls, deep groove ball bearings can support axial forces in both directions as well as radial forces.



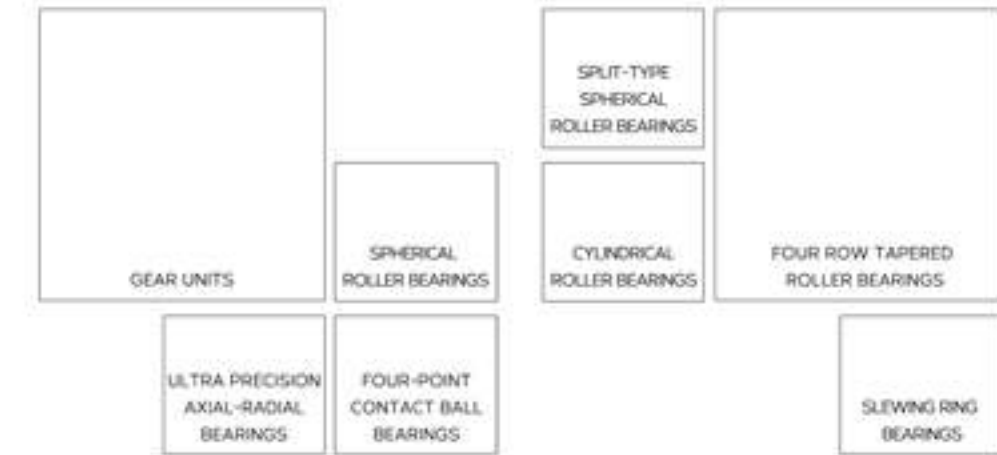
### ▲ DOUBLE-ROW FULL COMPLEMENT CYLINDRICAL ROLLER BEARINGS

- Rolling surface treatment using low-temperature plasma flow dramatically reducing the rolling surface wear
- Suitable for extremely high radial loads
- Increased axial load carrying capacity
- Increased performance while maintaining the same costs
- Won several industry recognition awards \*

\*Refers to the "2013 Ringer Technology Innovation metalworking industry • Outstanding Supplier Award" and the "2013 China Innovation Pioneer equipment • Special."

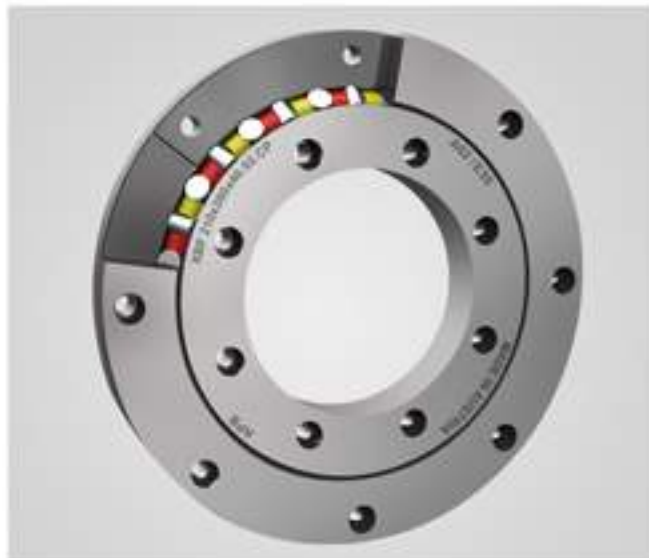


# Bearing Products Comprehensive Range



## ◀ GEAR UNITS

- According to customer demand, the overall design of the planetary gear unit manufacturer.
- Significantly improve the accuracy and reliability of the planetary gear unit.
- Extended service life more than doubled.
- Significantly reduce costs, shorten order cycle, simplifying user installation.



## ▶ FOUR-ROW TAPERED ROLLER BEARINGS

Sealed type four-row tapered roller bearings mainly used for work rolls or intermediate rolls, carry both of radial load and axial load at a time. Adjustment of internal clearance is not required, facilitating handling. Open type is also available.

- High Load Capacity
- Substantial reduction in grease consumption compared to open type
- Extension of maintenance and cleaning intervals
- Prevention of intrusion of mill scale
- Reduction in harmful effects on working environment



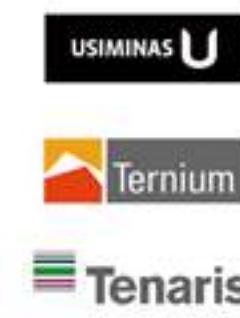


# Worldwide Presence

## Industry Solutions



## Our Customers







MINIATURE BALL BEARINGS



ANGULAR CONTACT BALL BEARINGS



CYLINDRICAL ROLLER BEARINGS



UBC LUBRICANT



## Worldwide Presence Electric Motors and Generators

Electric motors and generators place completely different demands on bearings compared to gears. Knocks and fluctuating torques rarely occur. Different speeds are usually the key consideration when it comes to selecting bearings.

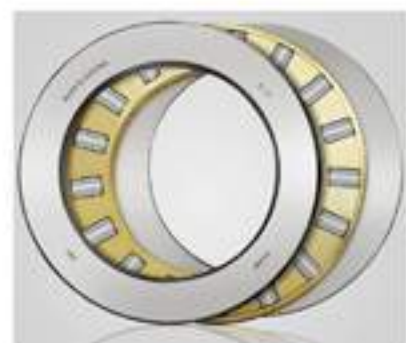
Deep groove ball bearings EMQ series were specially developed in relation to low noise levels and low frictional torque. They are particularly suitable, for example, for use in electrical machinery, ventilators, washing machines and power tools.



### DEEP GROOVE BALL BEARINGS EMQ 5 SERIES

- Lower noise levels
- Improved sealing
- Lower friction
- Higher cost-effectiveness





THRUST ROLLER BEARINGS



SUPER PRECISION  
ANGULAR CONTACT BALL BEARINGS



THRUST BALL BEARINGS



CYLINDRICAL ROLLER BEARINGS  
(ETN SERIES)

# Worldwide Presence

## Pumps and Compressors

Pumps are used in all kinds of industries around the world such as in Petrochemicals, papermaking, irrigation, foods and beverage industry. Compressors are used for a wide variety of applications such as in factory equipment, air supply equipment, air conditioner, refrigerators and cold storage warehouses. This demonstrates just how essential pumps and compressors are to industry.

UBC has applied state-of-the-art technology developing most appropriate designs and enhanced product quality. The company supplies many types of bearings that offer long operating life, high load capacity and high reliability. The goal is low energy consumption for an environmentally friendly approach and low maintenance costs.







TAPERED ROLLER BEARINGS



DOUBLE-ROW  
CYLINDRICAL ROLLER BEARINGS  
(NU TYPE)



SINGLE-ROW FULL COMPLEMENT  
CYLINDRICAL ROLLER BEARINGS



SPHERICAL ROLLER BEARINGS  
(CC, CA, MB, E TYPE)

# **Worldwide Presence**

## **Power Transmission**

### **Industrial Gearboxes**

Industrial gearboxes are used in a very wide range of industrial fields. Rolling bearings for gearboxes are a means of supporting the torque and speeds of the drive end to the desired turning moment and speeds of the machine.

UBC has applied state-of-the-art technology to ensure that its designs closely match customer needs, offering longer service life to reduce equipment maintenance costs, can handle high load capacities, and are extremely reliable.







CYLINDRICAL ROLLER BEARINGS



SPHERICAL ROLLER BEARINGS  
(CC, CA, MB, E TYPE)



SPHERICAL PLAIN BEARINGS



PLUMMER BLOCK HOUSINGS

# Worldwide Presence

## Mining, mineral processing and cement

There is a wide range of heavy duty machinery used in mining industries.

Durability and reliability are of most importance for mining machinery operating in remote locations such as mountains and deserts, where failure of a single component can impact the entire mining operation.

UBC bearings can support them with high quality, heavy duty rolling bearings, plain bearings to mining machinery for the most challenging task of raising efficiency and productivity of operations under harsh environments.

UBC has applied state-of-the-art technology to exceed the life and limiting speed of conventional bearings. Our superior bearings offer higher limiting speed and longer service life, thereby reducing maintenance costs for mine operators.



Worldwide Presence



### SPHERICAL ROLLER BEARINGS FOR VIBRATORY MACHINE

- High Load Capacity
- Increased Strength
- Lower Operating Temperature





DOUBLE-ROW  
FULL COMPLEMENT BEARINGS  
FOR CRANE SHEAVES



CYLINDRICAL ROLLER BEARINGS



TAPERED ROLLER BEARINGS



SLEWING RING BEARINGS

# Worldwide Presence Construction Machinery

Despite the heavy loads and harsh conditions, construction operators are under pressure to push equipment to keep productivity high and downtime low.

Dust, mud and heavy tremendous loads - these are the challenging conditions under which construction machinery must operate. Unlike typical passenger cars, construction machinery must first and foremost be tough.

UBC has applied state-of-the-art technology to exceed the life and limiting speed of conventional bearings.







DOUBLE-ROW  
FULL COMPLEMENT BEARINGS  
FOR CRANE SHEAVES



CYLINDRICAL ROLLER BEARINGS



TAPERED ROLLER BEARINGS



SLEWING RING BEARINGS

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SPLIT-TYPE SPHERICAL  
ROLLER BEARINGS



SPHERICAL ROLLER  
THRUST BEARINGS



FOUR-ROW CYLINDRICAL  
ROLLER BEARINGS  
FOR BACK UP ROLLS



CYLINDRICAL ROLLER BEARING  
FOR THE BACKING SHAFTS  
OF CLUSTER MILLS



## Worldwide Presence Steel and Metals

Steel production equipment are operated in extremely harsh environments, where machinery is exposed to high temperatures, water and mill scale. The bearings used in this equipment must continually withstand heavy loads and high speed rotation.

UBC has applied state-of-the-art technology to manufacture and customize products that respond to steel production equipment needs and support stable operations.



### SEALED TYPE FOUR-ROW TAPERED ROLLER BEARINGS

These bearings, mainly used for work rolls or intermediate rolls, carrying both of radial and axial loads at a time.

- Substantial reduction in grease consumption
- Prevention of intrusion of rolling mill water, oil and scale
- Reduction in harmful effects on working environment
- Extension of overhaul and cleaning/maintaining intervals





NEEDLE ROLLER BEARING



HUB WHEEL BEARINGS



TENSIONER BEARINGS



TAPERED ROLLER BEARINGS

# Worldwide Presence Automotive

UBC has successfully developed some bearings as bearing solutions for hub wheels, axle, engine, transmission, etc.

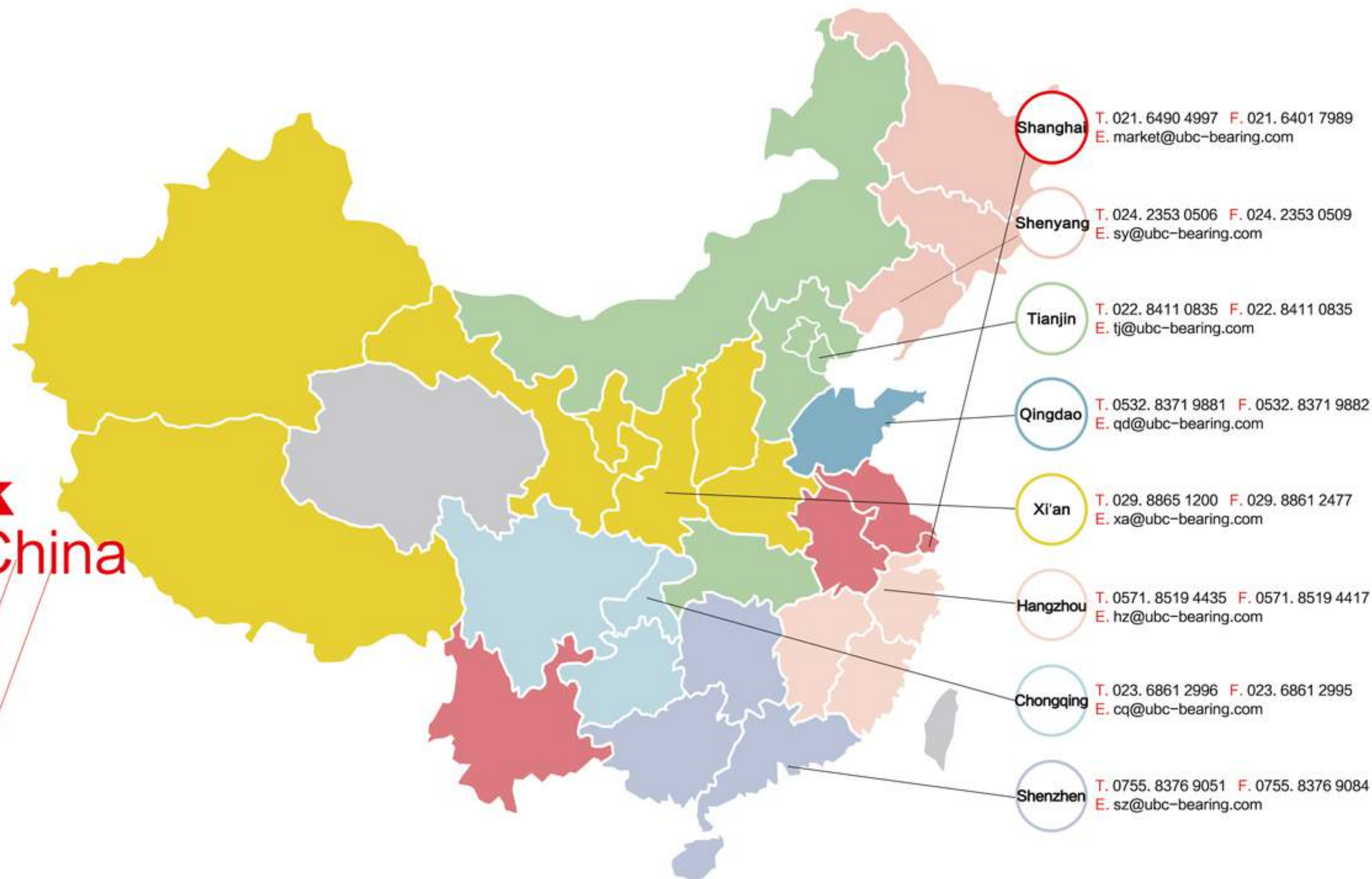
UBC designed hub wheel bearings, the bearing clearance has been pre-adjusted during bearing assembly, and no need further clearance adjustment when installation, and also simplified the entire wheel assembly to reduce weight and in turn costs but with improved performance and easier installation.

UBC designed deep groove ball bearings with wider inner ring for driving-shaft, with non-standard inner ring and two-layers-structure seals to ensure better functions on dust-proof, waterproof and anti-grease-leak out. Also the high-temperature lubrication grease that with smaller friction, is really ideal for automotive driving-shaft.





# Network Greater China





# Network International

## UBC in AUSTRALIA

**A.** 170-176 Williams Rd., Dandenong, Victoria  
**T.** +61 9791 2444  
**E.** sales@finerpt.com

## UBC in CANADA

**A.** 17-16 Sims Crescent, Richmond Hill, L4B 2P1, Ontario  
**T.** +1 647 299 9728  
**E.** canada@ubc-bearing.com

## UBC in INDIA

**A.** Unit 320, Marathon Max Bldg., L.B.S. Marg Junction, West Mulund, Mumbai  
**T.** +91 22 2568 1650  
**E.** rbane@ubc-bearing.in

## UBC in PAKISTAN

**A.** 85-86 Bank Square Market, Model Town, Lahore  
**T.** +92 30 0847 7889  
**E.** info@ubcpakistan.com

## UBC in THAILAND

**A.** 140/23 Moo 12 King-Kaew Rd., Rachathewa, Bangkok  
**T.** +66 2 315 55 15  
**E.** adisak@equip.co.th

## UBC in China

### Sales and Technical Support Office

**A.** 1128 Denghui Rd., Minhang District, Shanghai, China, 201109  
**T.** +86 21 6490 6886  
**F.** +86 21 6490 3457  
**E.** export@ubc-bearing.com | techsupport@ubc-bearing.com

## UBC in BRAZIL

**A.** Av. Dr. Ricardo Jafet, 650, Ipiranga, Sao Paulo  
**T.** +55 11 2219 3084  
**E.** ubc-bearings@ubc-rolamentosdobrasil.com.br

## UBC in EUROPE

### (FRANCE - PORTUGAL - SPAIN)

**A.** Aptdo. Correos 184, 46183 L. Eliana, Valencia, Spain  
**T.** +34 96 949 91 44  
**E.** jmsongel@ubc-bearing.com

## UBC in LATIN AMERICA

### (ARGENTINA - CHILE - URUGUAY)

**A.** Primera Junta 1874, Mar del Plata, Argentina  
**T.** +54 223 4911810  
**E.** rverri@repint.com.ar

## UBC in PHILIPPINES

**A.** 1018-1020 Benavidez street, Sta. Cruz, Manila  
**T.** +63 2 732 90 84  
**E.** ubic@unitedbearing.com

## UBC in TURKEY

**A.** 2822 Sokak No: 35 1 Sanayi Sitesi Mersinli, Izmir  
**T.** +90 232 458 24 10  
**E.** info@emniyetrulman.com

**UBC GROUP**

www.ubc-bearing.com

