

ZON™

BEARINGS FOR YOUR FUTURE



ZON™

Quality, Efficiency and Excellence



ABOUT US

The Zen group was established in Dusseldorf, Germany in 1992 specialising in manufacturing German industry standard bearings in China.

Within the years we set up our first Miniature Bearing factory on the outskirts of Shanghai and from the start invested heavily in modern production lines and robust quality control systems.

Over the following years with further investment we are now a truly global company with 22 official Zen distributors supplying 18 countries via our six warehouses around the globe.

We now operate three factories and manufacture a diverse range of products to the same high German standards, producing millions of bearings every month.

Our team of Research and Development engineers are able to support our customers through the entire process, from initial design through to production and delivery of the finished product. We have many years of experience and knowledge supplying a wide spectrum of industries including Chemical and Food Processing, Aerospace and Automotive to name but a few.

Moving forward we continue to develop and reinvest in new technologies to keep Zen at the forefront of quality and create products that offer competitive advantages to our customers.

Zen Ball Bearings Shanghai has been awarded the German ISO TUV Rheinland certification for inspection of ZEN products.

This certification is the highest standard a business in our industry can achieve. It is internationally recognised as a guarantee of quality, customer focus and continual improvement.

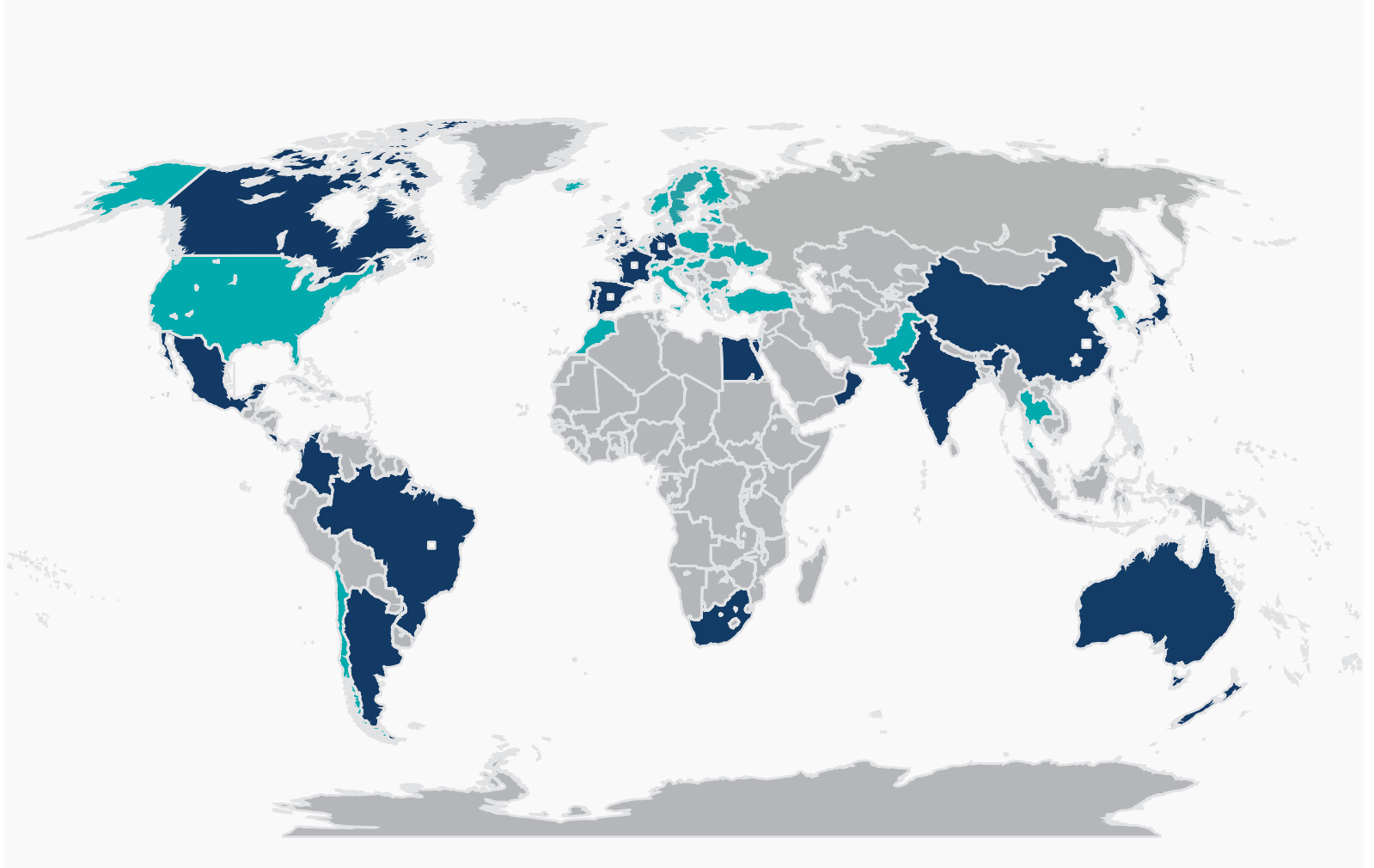


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▶ ZEN GLOBAL LOGISTIC SOLUTIONS

ZEN strong logistic network ensures the supply of our products at all times and under all possible circumstances. As always, with optimal delivery times.



Official
Distributors



Warehouses



Sell Points.



Quality Control
Center.



Factories.

▶ DIRECT SHIPPING FROM CHINA

True to our commitment of offering the best to our customers, from the ZEN Group we've made a big step towards international distribution and from now on you have direct shipment from China at your disposal. This will enable us to offer you shorter delivery times and more competitive prices, thus adapting us better to your needs.



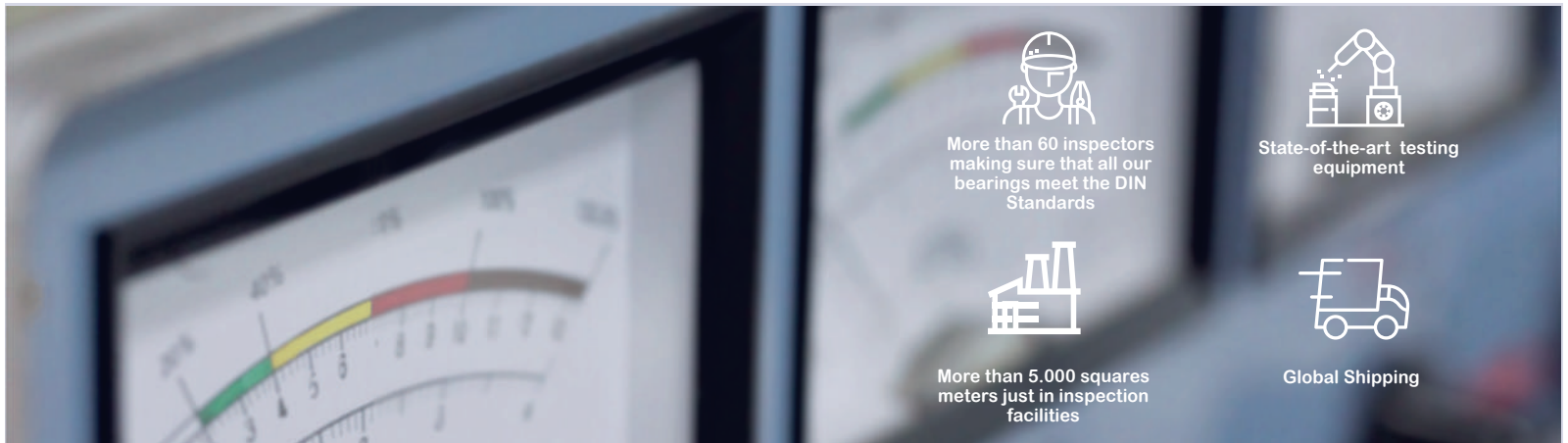
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ZEN QUALITY CONTROL

Our aim is to meet the expectations of our customers offering them bearings with perfect performance for the desired application. ZEN Quality Inspection Centre is a key piece in this process. Its facilities cover more than 5.000 squares meters, featuring state-of-the-art testing equipment and a great team of highly-qualified inspectors who are working every day to ensure a high level of quality.

All our facilities and testing equipment are certified with the ISO 9001:2015 awarded by the globally recognized TÜV Rheinland. This proves the accuracy, preciseness, and reliability of our quality control system. Also, it is a global benchmark that guarantees a total focus on customer service and continual improvement.



ZEN TESTING PROCEDURES

To guarantee the long term reliability, high-level performance and the very high quality that characterizes Zen Bearings, all of our products are tested. All ZEN Testing procedures and Tolerances are set to DIN Standards, certificated by the German TÜV.

<p>Visual inspection.</p> <p>The visual inspection is the start of our quality control checks. A trained eye can quickly determine any discrepancies or visual faults to the material or assembly.</p>		<p>Radial Clearance Tolerance Testing</p> <p>The radial clearance is very important to the operation of the bearing. Our machines are calibrated regularly to ensure the tolerances adhere to DIN standards certificated by the German TÜV.</p>	
<p>Inner and Outer Tolerance Testing.</p> <p>The inner and outer tolerance test measures the precise dimensions of the bearing. Our strict tolerances are again set according to the DIN standards.</p>		<p>Noise Testing</p> <p>Highly sensitive microphones measure and identify audible peaks of a rotating bearing. These peaks can indicate faults to the raceways or possible grease pollution.</p>	
<p>Vibration Testing</p> <p>Using high, medium and low range frequencies, the vibration test can identify a range of bearing defects, such as imbalance, play and misalignment.</p>		<p>Rockwell Testing.</p> <p>The Rockwell test determines the hardness of the material by measuring the depth of penetration of an indenter under load.</p>	



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Certificate

Standard **ISO 9001:2015**

Certificate Registr. No. **01 100 095883**

Certificate Holder: **Zen (Shanghai) Trading Co., Ltd. Taicang Branch**
Unified Social Credit Code: 91320585MA1WQ22K1R
Registration Address: Building 3, No. 176, Fada Road,
Taicang City, 215413 Jiangsu, P.R. China
Operation Address: same as above

Scope: **Inspection and Packaging of Ball Bearings**

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

Validity: The certificate is valid from 2021-03-04 until 2024-03-03.
It remains valid subject to satisfactory surveillance audits.
First certification 2009
This certificate information can be searched on CNCA official website <http://www.cnca.gov.cn>

2020-12-31



TÜV Rheinland Cert GmbH
Am Grauen Stein · 51105 Köln

www.tuv.com



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OUR PRODUCTS

We produce both standard and tailor made custom solutions engineered for the toughest production challenges. In these fast moving times our combination of creativity, innovation and technical expertise ensures customers worldwide experience consistent, industry leading quality in every bearing we manufacture. More information about how ZEN Bearings are made at: https://youtu.be/5Emtay7_tal



	Spherical Plain Bearings		Rod Ends
	Linear Bearings (KH/LM/SF/SK)		Angular Contact Bearings
	Plastic Bearings		Single Row Angular Contact Bearings
	Special Dimension Bearings		Double Row Self Aligning Bearings
	CSK One-way Clutch Bearings		Double Row Angular Contact Bearings
	HF Bearings		Cylindrical Roller Bearings
	Three Part Thrust Series		Axial Cylindrical Roller Bearings
	Miniature Metric Series		IR Inner Rings
	Miniature Inch Series		Needle Roller Bearings
	Ceramic & Hybrid Bearings		NK Bearings
	Inch Series		K Bearings
	Commercial Inch Series		Track Rollers
	Thin Section Series		Cast Iron Housings
	Double Row Thin Section		Stainless Steel Pillow Blocks
	Ultra Thin Section		Thermoplastic Pillow Blocks
	Popular Metric Series		Stainless Steel Inserts
	Stainless Steel Popular Metric Series		Stainless Steel Lock Nuts & Washers
	LR Series (track roller)		Mini Angular Contact Bearings
	Ball Bearings with Plastic Cages		



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▶ INDUSTRIAL APPLICATIONS

The broad range of our products make possible that ZEN bearings facilitate the smooth running of a broad range of industries:

- Wind technologies.
- Automotive Manufacture.
- Hydroelectric Technologies.
- Aeronautical Manufacture.
- Chemical Engineering.
- Engine Manufacture



▶ OUR CUSTOMERS

Our adaptation to individual client specifications, our maximum customer service, efficient pre production administrative procedure and our exceptional logistics management have done possibly the collaboration with big brands like:



Zen are proud sponsors of Paralympic bronze medalist Amador Granados

Amador Granados won the bronze medal in track cycling at the Rio 2016 Paralympic games.

Amador approached the Zen Group to help him find the perfect wheel bearing with minimal friction. Together we tested and developed a set of modified full ceramic bearings (6001-CE-Si3N4-PTFE-ZEN, and 6901-CE-Si3N4-PTFE-ZEN) that helped Amador go on and win a bronze medal in the Mixed Team Sprint Class C1-5.

Amador Granados secured another bronze in the team sprint UCI Para-cycling Track World Championships in 2018.



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