

Company Profile



technology
for a quieter
tomorrow

Company Introduction

Tiantie Group is a Chinese company, specializing in noise and vibration mitigation technology for rail and industrial applications. The company has a market cap of \$600 million (USD), and is listed on the Shenzhen Stock Exchange (share code 300587).

Key facts

Founded

2003

Revenue

\$270 Mio USD, 2021

Employees

940 (Group)

Competences

Noise and Vibration Control, Rubber Technology

Industries

Railway, Buildings, Industry

Headquarters

Tiantai, Zhejiang, China

Affiliates

20



New Manufacturing Facility in Tiantai County

Mission

To develop and manufacture application-specific high-performance noise and vibration control technology and rubber products, for rail level crossings and industrial applications, and ensuring the highest product quality.

Vision

To be a global technology leader in vibration mitigation, with innovative products for transportation and industrial sectors, and to successfully enter the seismic control market.

Zhejiang Tiantie Science & Technology

products stand for effectiveness, reliability, and long service life.

Milestones

2003

Tiantie established – the first Chinese company specializing in rubber products for rail track applications.

2004

Tiantie introduces the first rubber panels for level crossings. Today, we are an industry leader.

2009

Introduction of rubber-based track vibration control technology, and first installation at Chengdu-Dujiangyan Railway line.

2010

With the launch of new product lines and commissioning into service, Tiantie expands its leadership position with engineering and manufacturing of anti-vibration products for rail tracks

2013

Introduction and launch of rail dampers - with first installation at Changchun Metro line.

2016

Launch and installation of new rubber spring FST at Shenzhen Metro.

2017

Tiantie is listed at the Shenzhen Stock Exchange GEM.

2018

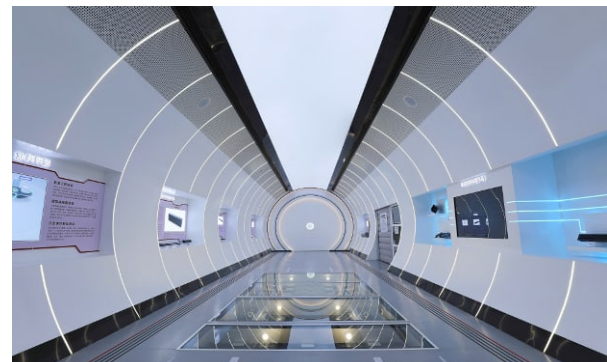
A total of 400km of rubber track mats installed to date.

2019

Tiantie's IPO factory started its production. The net profit was 100 million yuan for the first time.

The main products have a market share of about 20% in the entire rail transit vibration and noise mitigation market, making Tiantie to the leading company in the domestic rail transit N&V mitigation field.

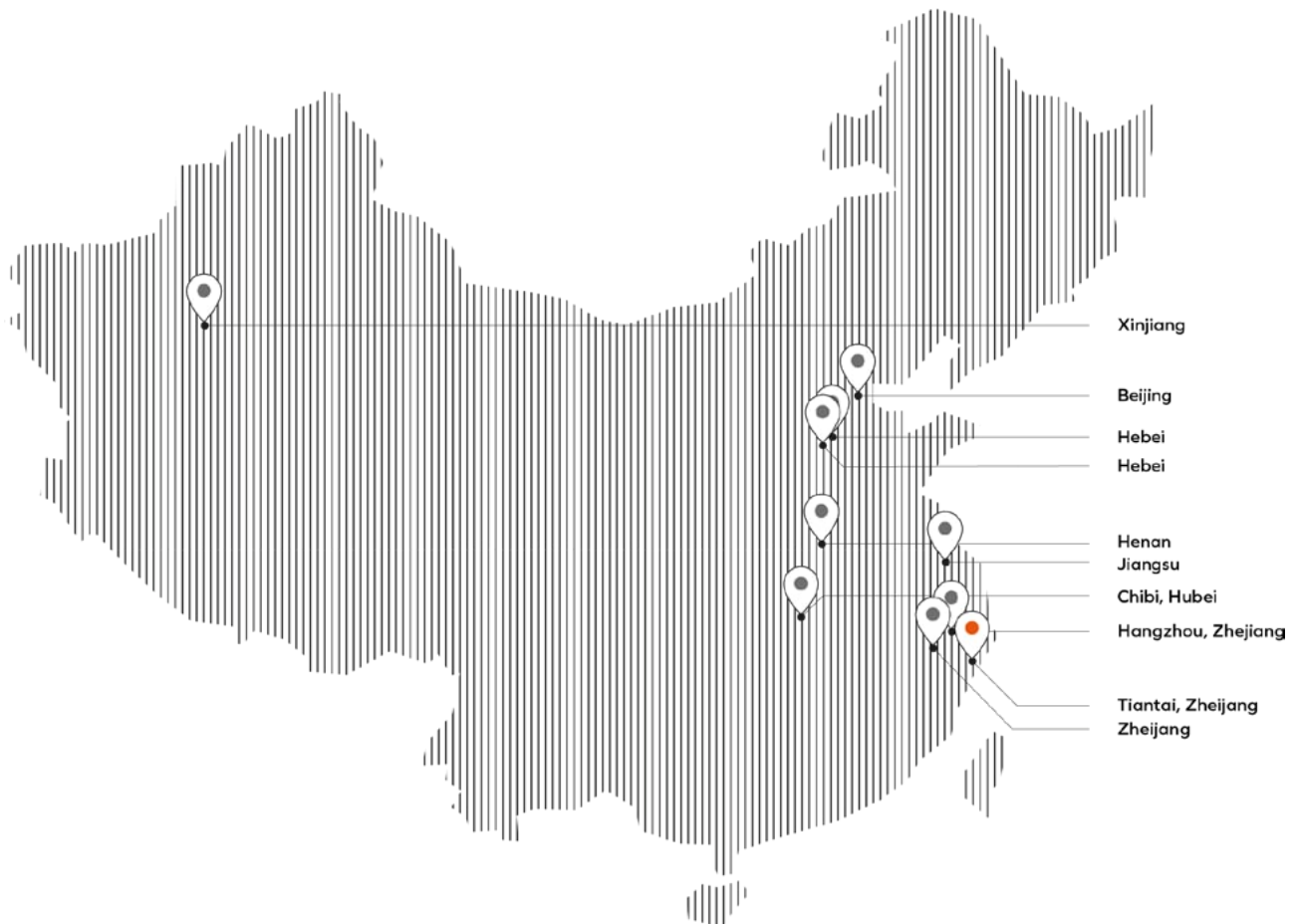
2021



Tiantie Footprint in China

With an expanding network of far-reaching industry partners and complementing technologies, Tiantie Industry Group is providing broad technology solutions

far beyond its core competencies of rubber molding technologies. These include track beds, building structures and industrial applications.



Headquarters

Tiantai, Zhejiang, China

Beijing

Beijing Zhongdi Sheild engineering Technology co., Ltd, Products: Rubber Coating Engineering

Jiangsu

Jiangsu Changjili New energy resource co., Ltd, Products: New chemical products

Hangzhou, Zhejiang

Zhejiang Kaideli New Material Co., Ltd, Products: Waterproof coating Material, Concrete additives

Zhejiang

Zhejiang Tianlu Railway Equipment Co., Ltd, Products: Trackbed sleepers and slabs

Hebei

Hebei Lutong Railway Equipment Co., Ltd, Products: Rail fastener

Hebei

Hebei Tiantie Jiedun New Type Construction material technology Co., Ltd, Products: Reinforced Sleeve

Henan

Henan Tiantie environmental protection co., Ltd., Products: Plastic septic tank

Chibi, Hubei

Hubei Yusheng Environmental protection co., Ltd., Products: Sound-absorbing panels, building

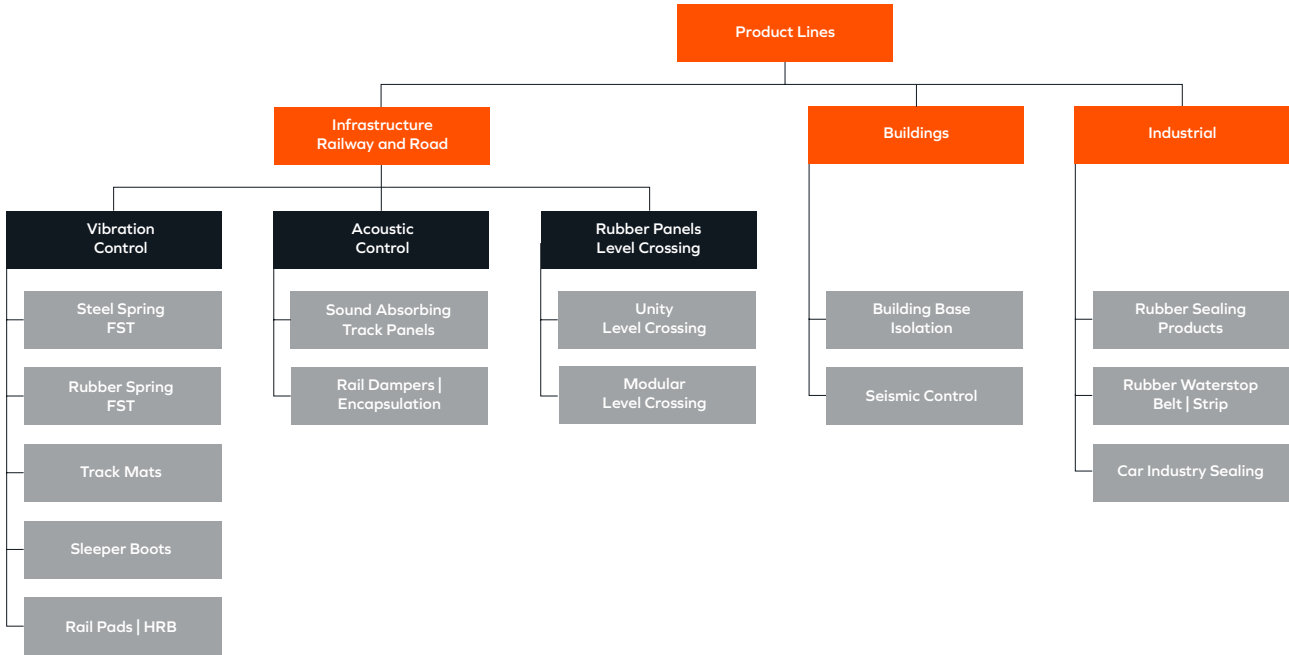
Xinjiang

Xinjiang Tiantie Engineering material co., Ltd., Products: Concrete additives

Product Portfolio

The Zhejiang Tiantie product portfolio includes steel and rubber springs for FST, ballast mats, rail dampers,

sleeper boots, rubber level crossings, noise absorption panels, and high-resilient baseplates.



Production Plants | Capacity

The wholly-owned Zhejiang Tiantie production plant is a large scale manufacturing facility. Intelligent, state-of-the-art equipment ensures highest quality products and processes that guarantee customer needs, and meet requirements for environmental protection.

- Track mats > 360,000m²
- Rubber sleeper boots > 300,000 sets
- Rubber bearings > 60,000 pcs
- Rail damper > 40 km
- Level crossing panel > 50,000 m²
- Steel springs > 60,000





Mixer Feeding Machine



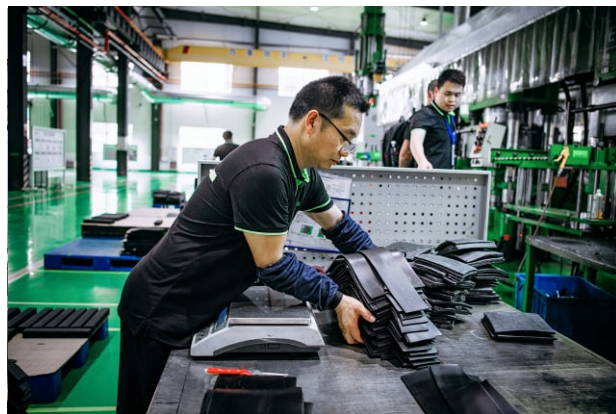
Production Line for Discrete Bearings



Large Tonnage-Vulcanizer



Vulcanizer



Research and Development

Tiantie's in-house R&D center was established in 2007. It represents one of the main pillars for our success. Civil engineers, chemists, design and manufacturing engineers work together on the development of the next generation vibration & noise control technology. Tiantie

experts actively participate in national and international committees, and close collaboration with universities, design consultants and customers provide a solid basis to develop new state-of-the-art products.



Research at Track Mats



Research at Track Mats

R+D Laboratory Equipment

Tiantie's in-house testing equipment allows the measurement of rheological and physical properties of rubber, rubber compounds and steel springs at all stages of manufacture. The equipment provides the

latest measurement technology for the most accurate, reliable, and reproducible data available. Relevant DIN, EN, and ISO standards are easily met, as are demands for advanced testing.



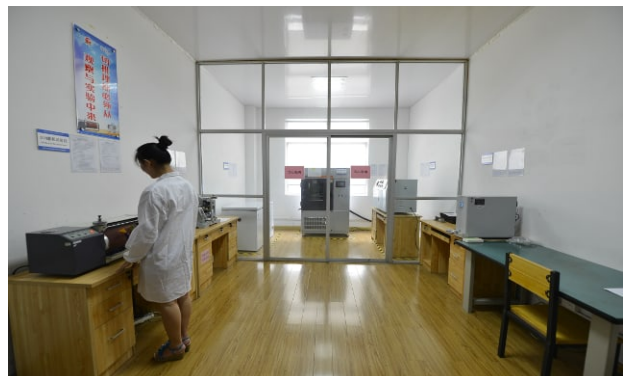
Tiantie in house testing



Tiantie in house testing



Tiantie in house testing



Tiantie in house testing



Tiantie In-house testing



Tiantie In-house testing



Tiantie on-site testing



Tiantie on-site testing



Tiantie on-site testing

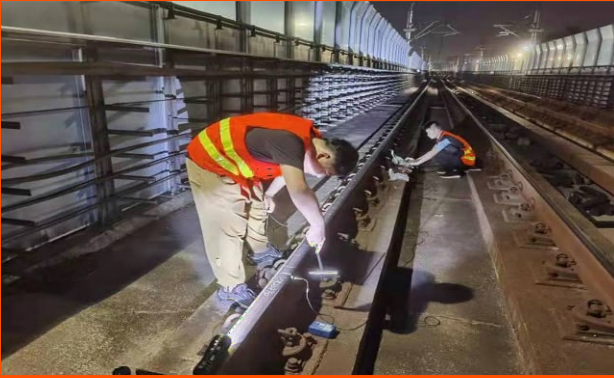


Tiantie on-site testing

Product Testing

At Tiantie, product field testing is performed on-site, under real environmental conditions. Many variations

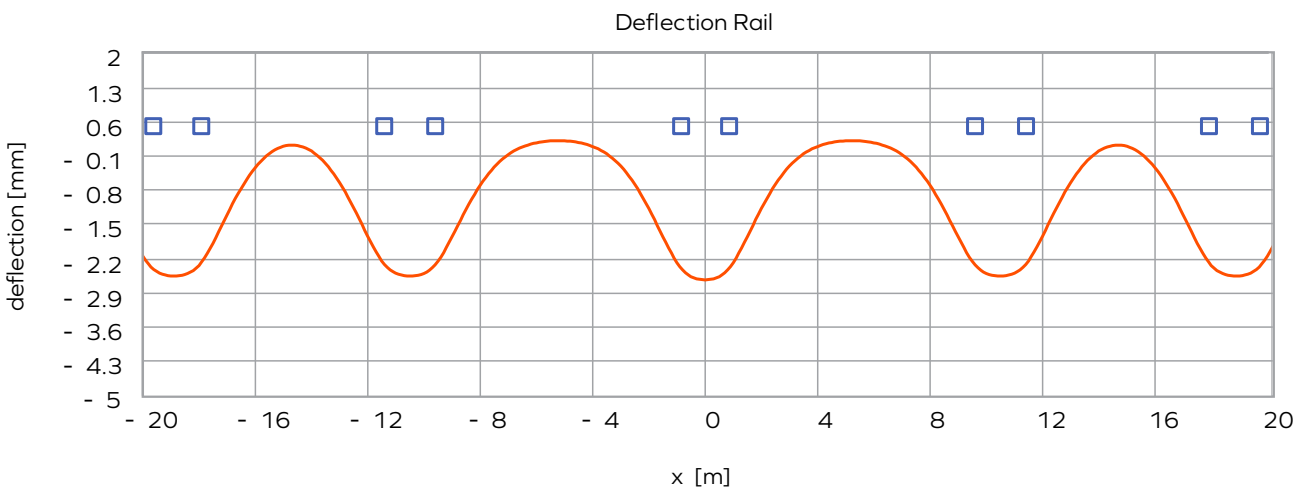
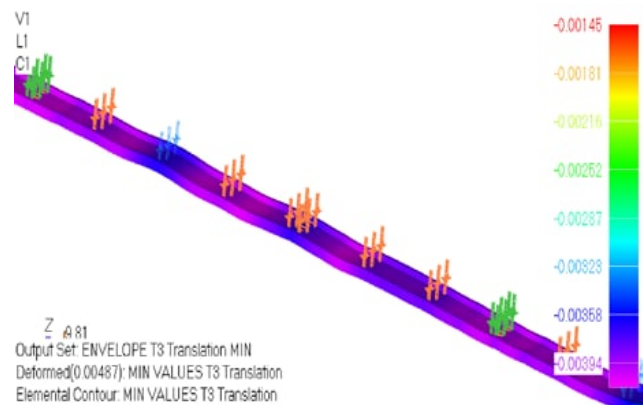
of different types of Floating Slab Tracks have been constructed on our field testing site:



Tiantie on-site testing

Engineering services

Tiantie engineers use highly specialized computational modeling, to reliably predict achievable reduction in vibration, as well as track dynamics, such as rail deflection under various loads. In addition to Tiantie's wide range of noise and vibration mitigation products, the company also provides expert installation services and/or supervision. Experienced engineers are available for installation and commissioning of all our products, including on-site monitoring and adjustments. Installation reports confirming "as-built" characteristics can also be provided.



Patents and awards

Tiantie management knows and believes that innovation is at the basis of our long-term success. This philosophy demands extensive new product development that, in return, fuels comprehensive know-how in material science and advanced manufacturing processes.

The Chinese National Committee has recognized Tiantie with awards of excellence in performance. The company is also the recipient of numerous patent awards for its products, including rubber track mats, damping boots, sound absorbers, rail dampers, rubber bearings, and the complete rubber panels for railway level crossings.



Quality Control

Global markets require compliance with a variety of different standards. Tiantie's Quality Management System ensures that product and process standards

are consistent and in compliance, and documented in accordance with standards. Test reports, certification and customer testimonials are available on request.



Environmental Management System according to ISO 14001



Quality Management System according to ISO 9001



Occupational Health and Safety System according to ISO 45001

Management

The Tiantie Group is a family business that strongly considers value-based compliance as an essential part of daily business activities. Compliance means acting

under the laws and regulations. This forms the basis for all our decisions and actions, and is the key to integrity in conducting business.

Zhejiang Tiantie Management

Founder Mr. Xu Jiding

Chairman Mr. Xu Kongbin

General Manager Mr. Xu Yinbin

Chief Engineer Mr. Wang Bo

CFO Mr. Xu Chao



Founder Mr. Xu Jiding



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