



## PRECISION MATERIALS PRECISION TOOLS

# GESAC

### **XIAMEN GOLDEN EGRET SPECIAL ALLOY CO.,LTD.**

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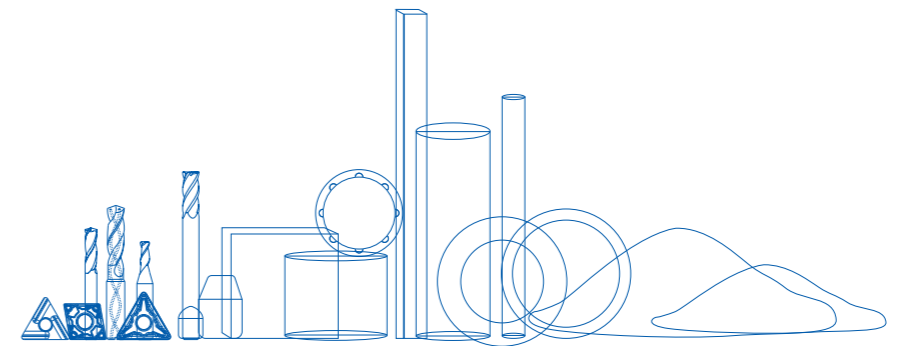
 [www.gesac.net](http://www.gesac.net)

**XIAMEN GOLDEN EGRET SPECIAL ALLOY CO.,LTD.**



GESAC

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**PRECISION MATERIALS  
PRECISION TOOLS**



## About XTC Group

- XTC Group ,Xiamen Tungsten Co.,Ltd is a state-owned holding corporation listed on the Shanghai Stock Exchange (securities code: 600549).
- Ranked **267** among the top 500 Chinese enterprises.



XTC Group 's predecessor Xiamen Alumina Plant was founded in 1958. It has renamed as Xiamen Tungsten Plant in 1984 since the business was switched to Tungsten products in 1982. In December 1997, Xiamen Tungsten Plant became Xiamen Tungsten Co.,Ltd after overall restructure.

XTC Group provides Tungsten products with excellent quality and stable performance to global customers, which are widely used in steel metallurgy, petrochemical, lighting, new energy, electrical, electronics, medicine, agriculture, nuclear industry, optoelectronics, glass, ceramics and other industries and fields. Besides, we are also capable to provide customized solutions.

**Total assets**  
 **4.64** billion USD

**Revenue**  
 **6.69** billion USD

**Employees**  
 **15912**

**Holding subsidiaries**  
 **33**

**Business divisions**  
 **22**

**Patents**  
 **1500+**

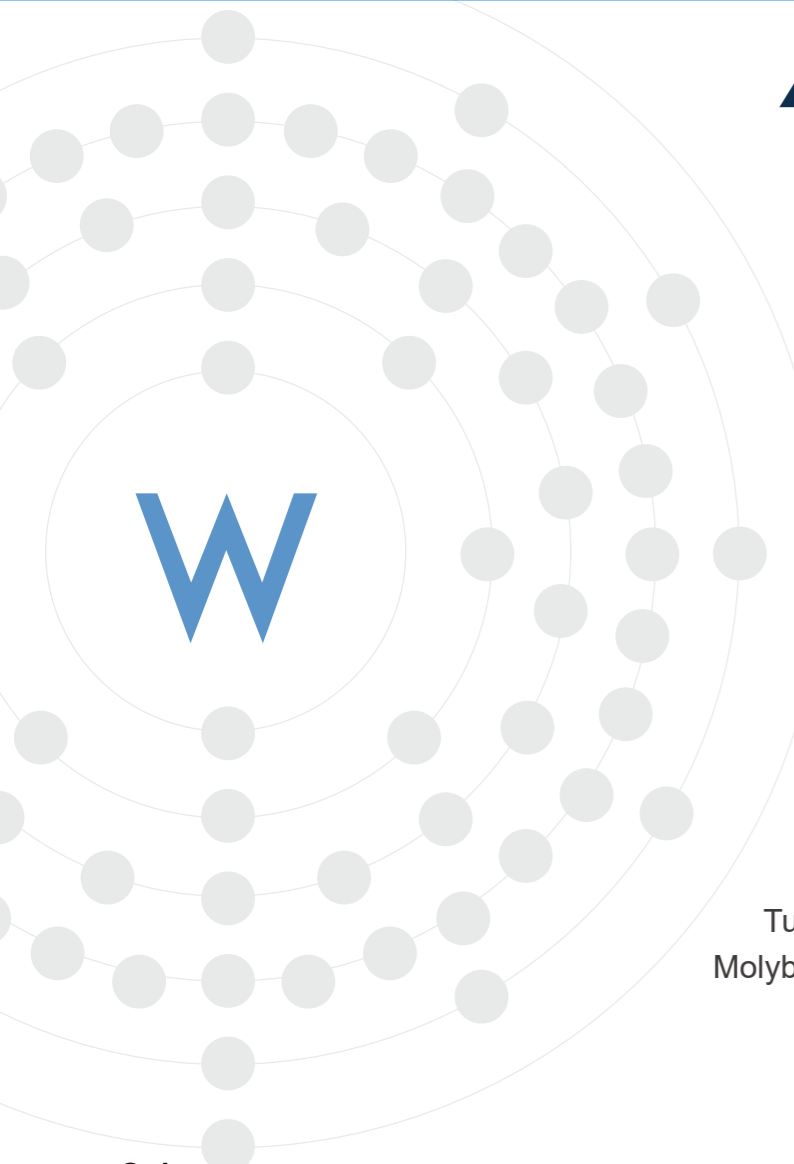
\* By the end of 2022

# Primary business

Tungsten & Molybdenum  
New energy materials  
Rare Earths

XTC Group

- ① XTC has built a complete industry line from tungsten mining and selection, tungsten and molybdenum smelting, tungsten and molybdenum powder production, to deep processing applications and recycling of hard alloys, tungsten and molybdenum wire products, cutting tools, etc.
- ② XTC devotes to the R&D and massive manufacturing of mainstream lithium-ion cathode materials, including ternary materials, lithium cobalt oxide, and lithium iron phosphate.
- ③ A complete system has been established, including rare earth mining, rare earth separation and smelting, application and R&D of rare earth permanent magnet materials, luminescent materials, optoelectronic crystals, etc;



## ① Tungsten & Molybdenum



Tungsten mine, Deep processing industry chain  
Molybdenum smelting, Deep processing industry chain

## ② New energy materials



Lithium cathode material  
Battery resource recycling  
Step use of power battery

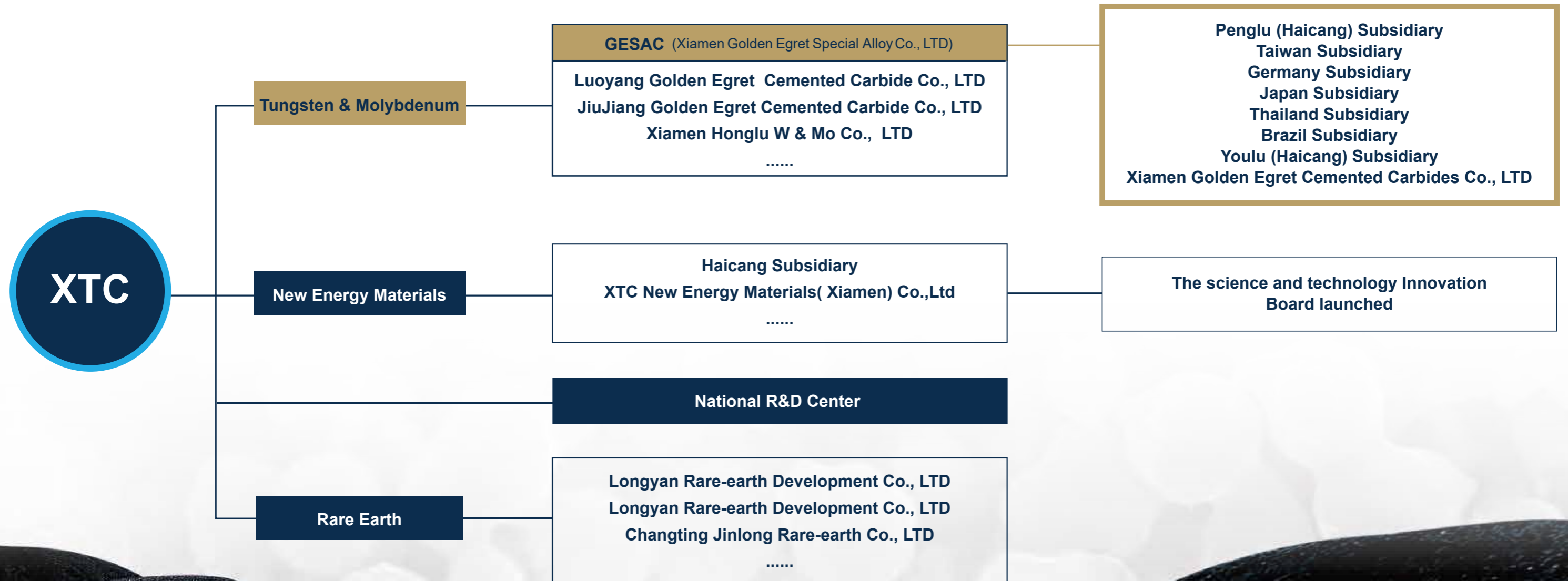
## ③ Rare Earth



Rare earth mine, Deep processing industry chain  
Rare earth permanent magnet motor industry  
Rare earth functional application materials  
Nickel chloride battery cathode material

# XTC AND GESAC Organization Structure

XTC owns 33 subsidiaries, covering tungsten ore, smelting, powder, alloy, etc.



# ABOUT GESAC

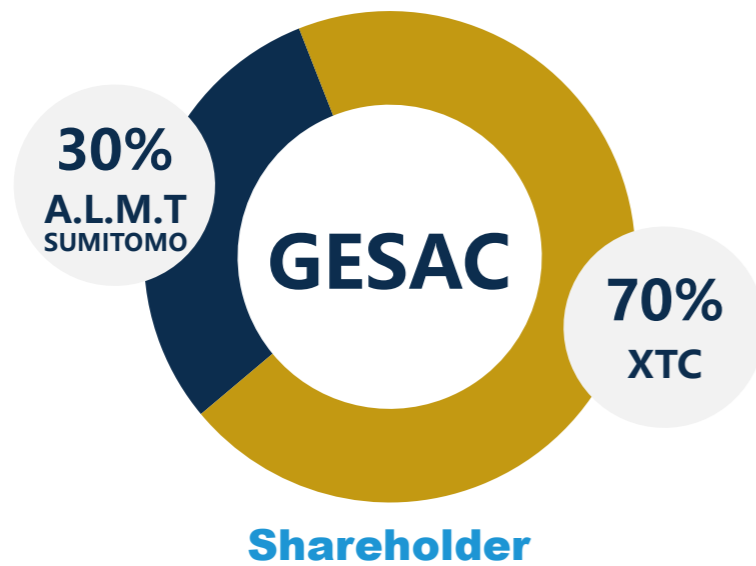
**01** Established in **1989**

**02** Key member of XTC (SH600549)

**03** Located in **Xiamen**

**04** The **World-famous manufacturer** of Tungsten Powder and Cemented Carbide. Cutting Tools **production scale** in the forefront of the world

GESAC, Xiamen Golden Egret Special Alloy Co., Ltd. is a Sino-foreign joint venture enterprise with national high-tech.



GESAC is committed to R & D, production and professional solutions of high-quality tungsten powder materials, cemented carbide, precision cutting tools and other tungsten products.

With the development of integrated product and Tungsten industry chain, as well as a pragmatic and innovative management concept, GESAC has always maintained a strong momentum of development, providing cost effective tungsten powder products and services for global users, offering excellent products and perfect solutions for high hardness, high temperature resistance and wear resistance demands. Our brand "GESAC" has become one of the leading brand in the tungsten market, and widely acclaimed by customers from more than 40 countries and regions.

## Four Major Production Bases



**Tong'an, Xiamen 100,000 m<sup>2</sup>**  
Cutting tools



**Haicang, Xiamen 430,000 m<sup>2</sup>**  
Tungsten powder, cemented carbides



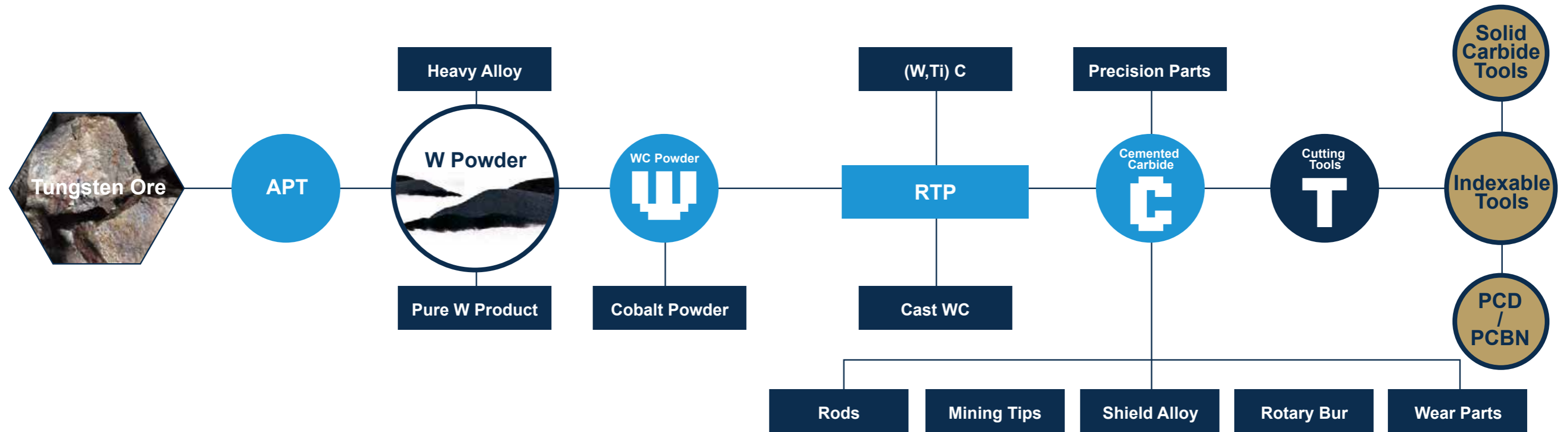
**Jimei, Xiamen 34,000 m<sup>2</sup>**  
Tungsten powder, cemented carbides



**Chonburi, Thailand 13,530 m<sup>2</sup>**  
Cemented carbides

# THE MOST COMPLETE TUNGSTEN INDUSTRY CHAIN

GESAC possesses complete industrial chain and core technologies from ore mining to the production of the tungsten powder, cemented carbide products and precision cutting tools.



1

2 million tons of Tungsten reserves accounting for 30% of China

2

National green demonstration Tungsten mine

3

Advanced manufacturing in APT, Tungsten powder, ultra-fine grained etc.

GESAC

# PRIMARY BUSINESS



## Tungsten Powder

With typical tungsten powder production technology, GESAC improved the property and quality of tungsten powder with precise control on its grade and size distribution.

Those tungsten powders are used to produce various tungsten carbide products which satisfy the clients' rigor requirement on tungsten material. GESAC's tungsten powder series contains tungsten metal powder, tungsten carbide powder, tungsten titanium carbide, RTP etc.

GESAC also produce cobalt powder for carbide industry.



**W powder** 10,000 t/a



**WC powder** 9,000 t/a



**RTP** 6,000 t/a



**Cobalt powder** 1,200 t/a



Uniform particle size with concentrated distribution and grain size ranges from 20nm to 30µm



# PRIMARY BUSINESS



## Cemented carbide

Through so many years' intensive study on powder metallurgy technology, GESAC has mastered every process of burdening, mixing molding, sintering and machining for cemented carbide production. GESAC produces cemented carbide products with its high quality W powder, WC powder and Co powder and advanced manufacturing equipment and technologies.

GESAC provides all kinds of cemented carbide with outstanding quality and excellent performance, including carbide rods, mining tips shield alloy, wear parts, precision parts and etc. GESAC's cemented carbide has been widely used in metal cutting, mining and construction machinery to solve the clients' trouble in wear resistance.



**Carbide rods** 6,000 t/a



**Mining tips** 1,700 t/a



**Other cemented carbides** 120 t/a

# PRIMARY BUSINESS



Turning



Milling



Hole-making



Tooling System



Intelligent Tool Cabinet

## Cutting tools

GESAC has taken the advantage of high-level research and production technology of tungsten material to build complete research-production-marketing line from raw material to deep processing. GESAC also has independent tool developing ability, including raw material developing technology, edge and geometry design technology, grinding wheel technology, high precision grinding technology, coating and edge preparation technology, etc.

Providing turning, milling, and drilling tools and cutting solutions. Allowing for precise machining.

## Cutting tools



**Solid carbide tools** 11 million pcs/year



**Indexable tools** 60 million pcs/year



**PCD/PCBN** 1.75 million pcs/year

CUTTING TOOLS

# RESEARCH AND DEVELOPMENT



## QUALITY GUARANTEE

High quality of raw material Advanced technology and Environmental management system certificate



ISO9001:2015



ISO14001:2015



ISO45001:2018



Ten items of ROHS and REACH

**GESAC owns a national level R&D center with a large number of senior researchers providing an unfailing supply of new production and various solutions for the clients different problems.**

GESAC owns a national level R&D center with a large number of senior researchers providing an unfailing supply of new production and various solutions for the clients different problems.

All of GESAC's products, from high-technology tungsten powder cemented carbide products to cutting tools are produced based on the research of the whole industrial chain.

GB/T 24001-2016 / ISO 14001:2015、Occupational health and safety management system certificate GB/T 45001-2020 / ISO 45001:2018、Quality management system certificate GB/T 19001-2016 / ISO 9001-2015、Ten items of ROHS and REACH

# CULTURE



**Strengthen social responsibility  
and promote sustainable development**



## Green Earth, Sustainable Development

Clean energy Production  
Building a Recycling Industry  
**Certification Management System**  
GB/T 24001-2016 / ISO 14001:2015



## Actively Participate in Public Welfare Undertakings

· Community Building, Support Education

# CULTURE

## Growing Together with Employees and Partners

### Training

Regular Employee Training

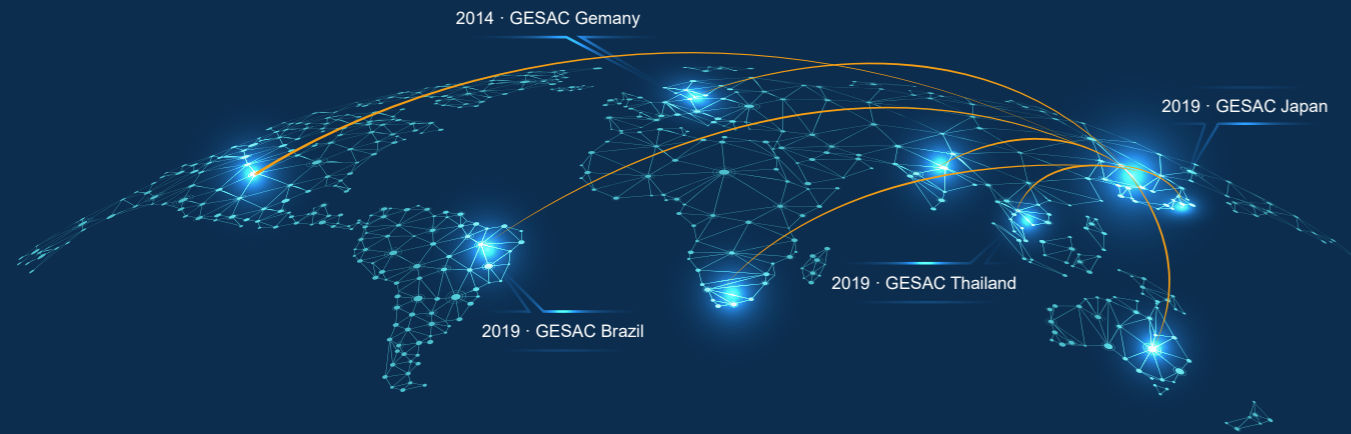


Positive working environment  
Rich and colorful employee activities



# NET WORK

Marketing and service networks have spread out more than 40 countries and regions such as Europe, South America and Asia. We provide our customers with high-quality products and quick response.



\*Drawing review No.: GS (2016) 1664

## Global Layout

- Xiamen Golden Egret Cemented Carbides CO.,LTD.
- Xiamen Penglu Industry CO.,LTD.
- Guangdong Youlu Tools CO.,LTD.
- Taiwan Golden Egret Special Alloy CO.,LTD.
- Golden Egret Carbide Germany GmbH
- Golden Egret Carbide Japan Co., Ltd.
- Golden Egret Cement Carbide (Thailand) Co., Ltd.
- Golden Egret Brasil Importadora e Exportadora de Carbide Ltda



### Cutting Tools Sales

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Tel:

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*European Region*

**+86-0592-7255079**

*Russian Region*

**+86-0592-7230132**

*East and south-east Asian Region*

**+86-0592-7255172**

*American, West and South Asian & African Region*

### Powder Sales

E-mail: [chen.zhe@cxtc.com](mailto:chen.zhe@cxtc.com)

Tel: **+86-592-6023673**

### Carbide Rods Sales

E-mail: [pan.qianqian@cxtc.com](mailto:pan.qianqian@cxtc.com)

Tel: **+86-0592-3755316**

### Precision Wear Parts Sales

E-mail: [li.kun@cxtc.com](mailto:li.kun@cxtc.com)

Tel: **+86-592-6023673**



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