

# 盾构管片钢模

## Shield segment steel mold

江苏银旭隧道机械有限公司  
Jiangsu YinXu Tunnelling Machinery Co.,Ltd.

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## 公司简介

江苏银旭隧道机械有限公司是一家专业从事地铁隧道配套设备研发、设计、生产、销售为一体的科技型企业，地处江苏省苏州市吴江区太湖新城，紧邻S227省道与京杭大运河，临近苏嘉杭高速吴江南出口，交通便利，地理位置优越。

我公司获得的各项荣誉有：高新技术企业、江苏省优质产品、全国质量信得过单位、全国AAA级诚信单位、江苏省民营科技企业、江苏省科技型中小企业、苏州市重合同守信用企业。

我公司联合科研院校成立企业研发中心，研发异型盾构掘进机、小型盾构掘进机。公司研发的顶管掘进机分别在2011年、2012年通过中国机械联合会科学技术成果鉴定，项目成果填补国内空白，达到国际先进水平。2013年我公司承担了江苏省科技支撑项目—土压平衡矩形盾构机的关键技术研究。公司现生产有过街通道、市政给排水管道、电力电缆隧道顶管机，地铁联络通道钢管片，盾构管片钢模等隧道工程配套产品。

公司本着“精益求精、真诚服务、品质第一、诚信合作”的精神，不断发展壮大，拥有完善的加工设备和一流的技术队伍，所生产的精品隧道配套产品在上海、天津、沈阳、成都、武汉、杭州、苏州、无锡、宁波、昆明、南京、福州、石家庄、北京等城市地铁项目及广深港客运专线、兰新高铁项目中发挥了重要作用。公司不断致力于隧道工程配套机械装备事业中，打造隧道行业的品牌。



## Company Profile

Jiangsu Yinxu Tunnelling Machinery Co.,Ltd. is a professional private technology enterprise which integrate the subway tunnel equipment R&D、 design、 production and sale. It is located in Wujiang Taihu New Town , Suzhou City, Jiangsu Province, close to S227 Provincial Highway and the Beijing-Hangzhou Grand Canal, and near the Sujia-hang high-speed Wujiang south export, with convenient transportation and favorable geographical position.

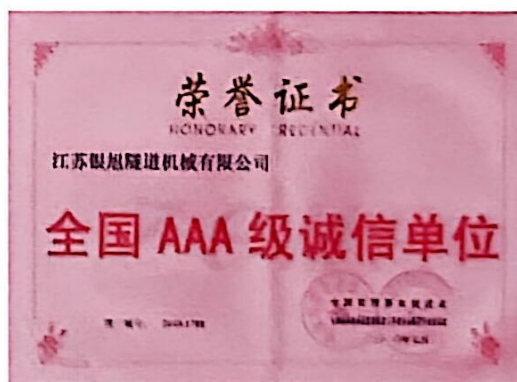
The company has received various honors: High-tech enterprises、 High-quality Products in Jiangsu Province、 National Quality Trustworthy Unit、 the National AAA Grade Credit Unit、 Private Scientific and Technological Enterprise、 High-tech SME in Jiangsu Province and Contract and Trustworthy Enterprise in Suzhou City.

The company has established R&D center in association with professional research institutions to develop shaped shield tunneling machine and small shield tunneling machine. Our pipe jacking machine has passed the China Machinery Industry Federation scientific and technological achievements appraisal respectively in 2011 and 2012 which filled the domestic gaps and reached the international advanced level. In 2013, it undertook scientific and technological support projects - the key technology research of earth pressure balance rectangular shield machine. Now, the company has produced pipe jacking tunneling machine for underpass、 government drainage sewer、 power cable tunnel, steel segment for tunnel and subway、 steel mould for concrete segment and other tunnel ancillary products.

The company follows the enterprise spirit of "endless striving for excellence, sincere service, quality first, honest cooperation", and develop continually, with a sound processing equipment and first-class technical team. It produced boutique tunnel ancillary products that played an important role in cities metro project, such as Shanghai、 Tianjin、 Chengdu、 Wuhan、 Hangzhou、 Suzhou、 Wuxi、 Ningbo、 Kunming、 Nanjing、 Shenyang,Guangzhou-Shenzhen-Hong Kong Express Rail Link and Lanxin railway project. The company is determined to continue work in business of highway、 railway 、 tunnel and many other urban construction engineering machinery and equipments, and to build a tunnel industry brand.

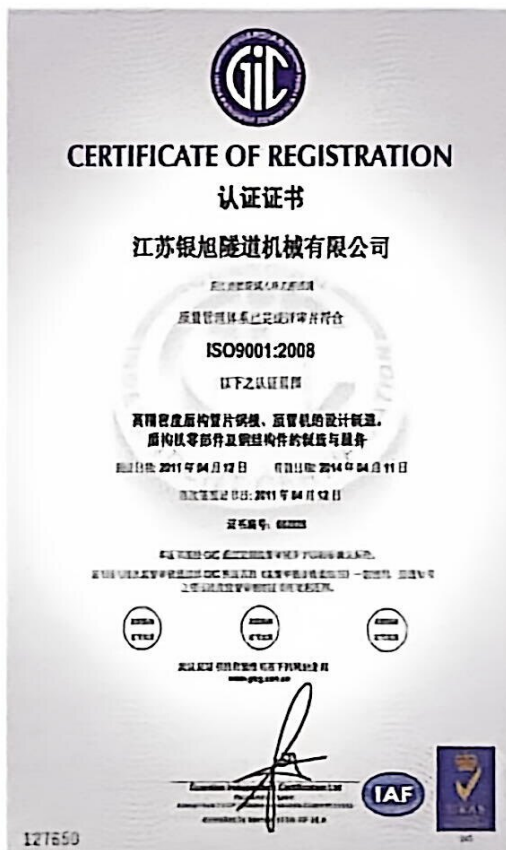
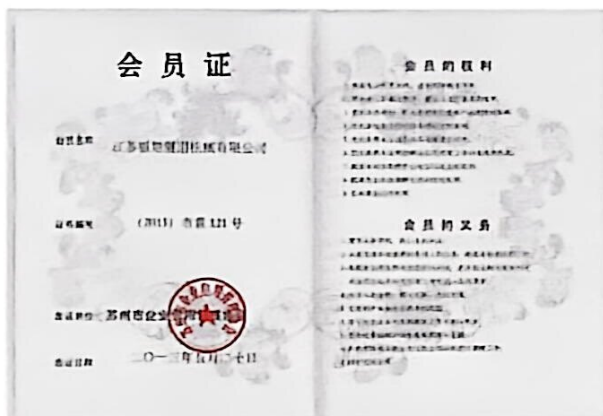
## 资质及荣誉

Qualification and honor

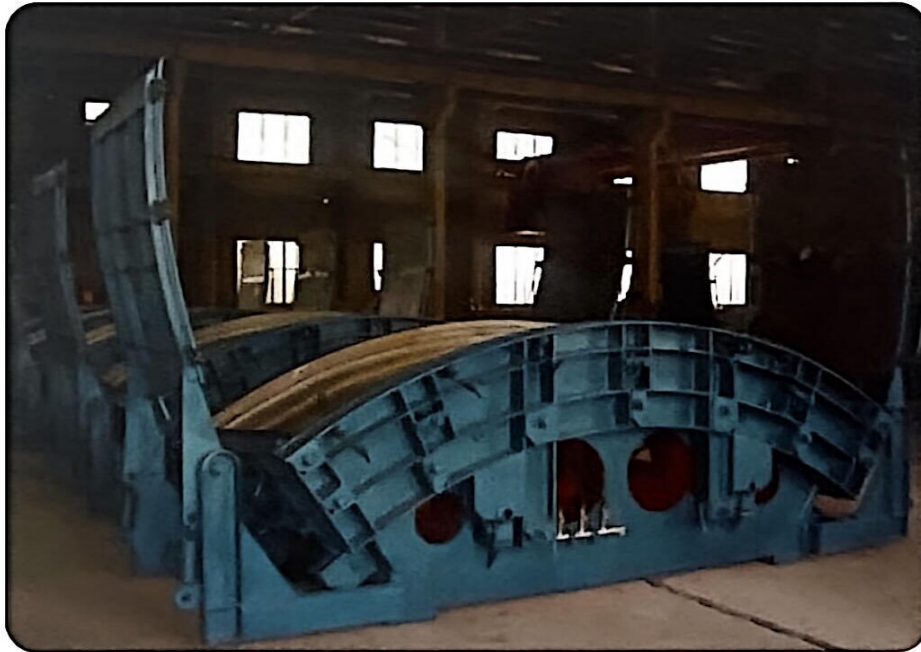


# 资质及荣誉

## Qualification and honor

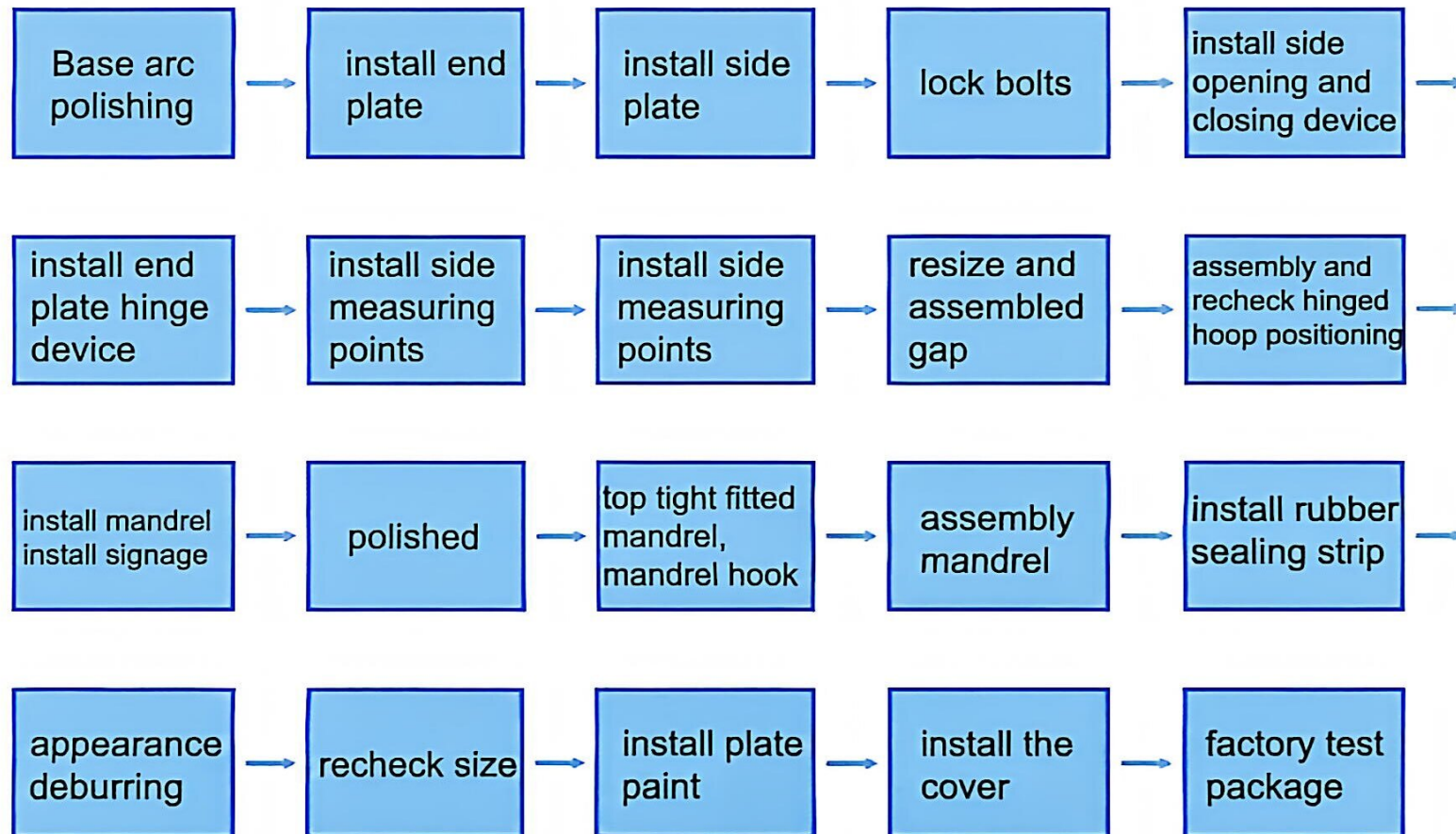


## Product introduction- Shield segment steel mold



tunnel segments. In recent years, with streamlined production mode, making efficient use of molds greatly improve and gain more economic benefit.

## Machining process



## Product advantages

Shield segment mold structure humanized design, structure annealed and processed twice, reduce stress and deformation, high precision, long service life.

The product use translational lateral mode, making high precision, has turned process faster, save labor, reduce labor intensity, extend the life of the tube sheet mold, etc., which solve the phenomenon of segment undercut during segment mold opening segment prone.

The technology has won the national patent certificate.

# PRODUCT ADVANTAGE

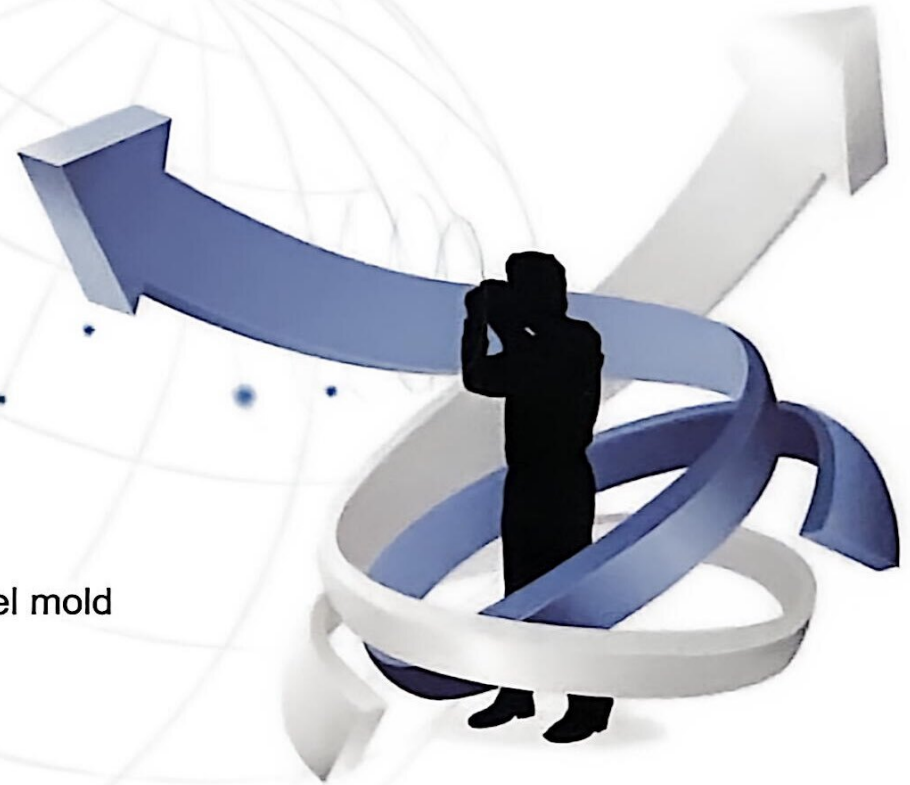
## Results



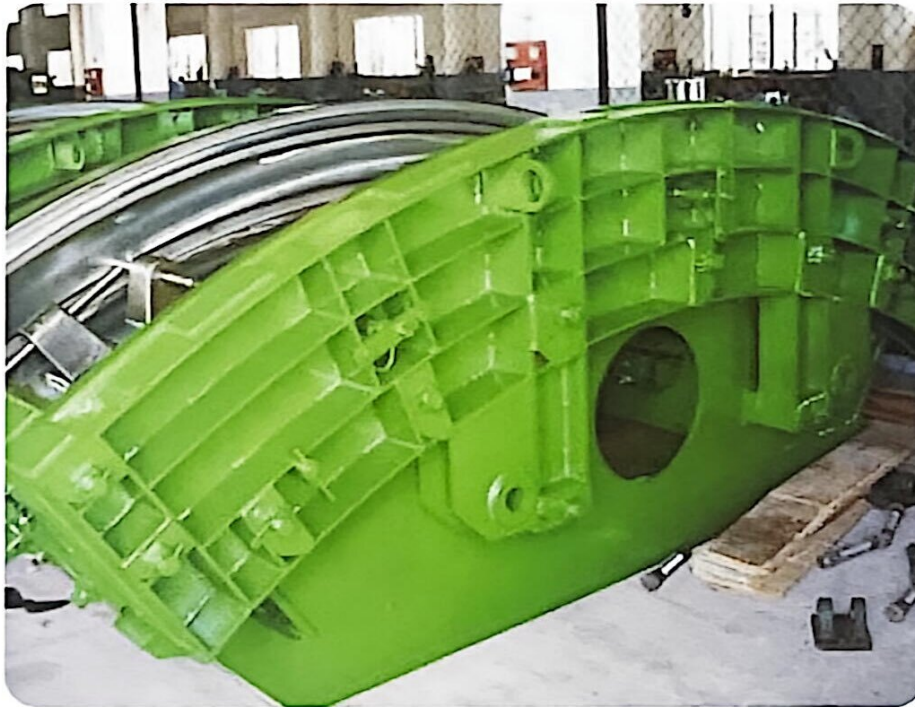
Our company fully absorb the experience of advanced enterprises in the mechanical field, combined with innovation, so that our products with industry-leading technology, also won a number of national patented technology support. Currently, we has been successfully applied to Shanghai, Hangzhou, Chengdu, Wuhan, Suzhou, Lanxin high-speed rail and other construction projects, each mold production capacity reached 2,000 rings or more.

## COMPANY'S PERFORMANCE

- Chengdu Metro steel mold
- Wuhan Metro steel mold
- Hangzhou Metro steel mold
- Nanjing Metro steel mold
- Suzhou Subway steel mold
- The Lanxin high-speed rail dugout steel mold
- Changshu Power Company expansion project steel mold
- Shijiazhuang subway steel mold
- Beijing subway steel mold



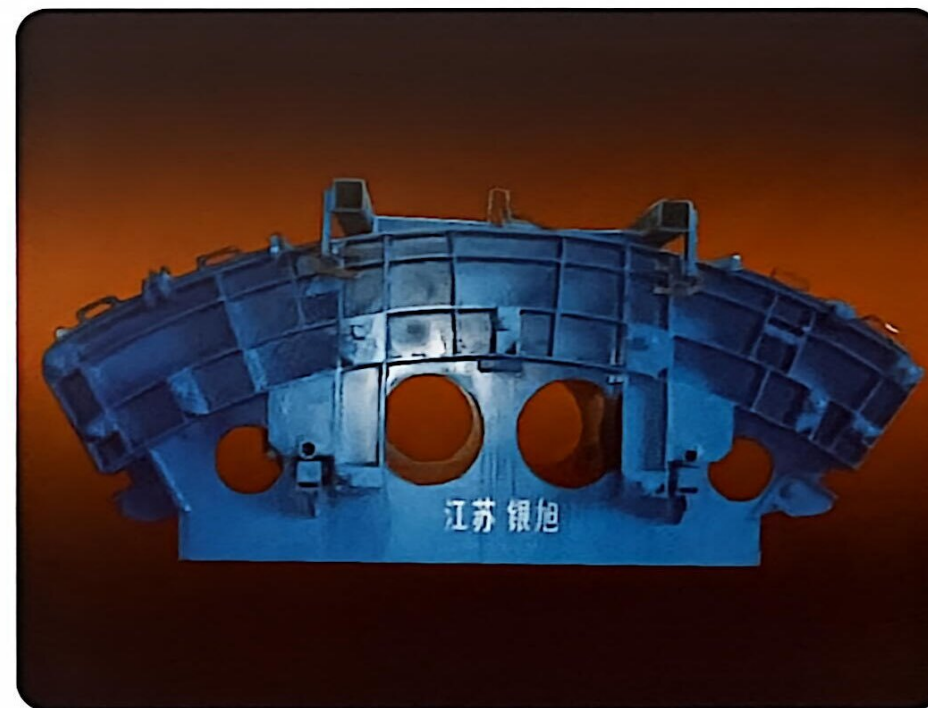
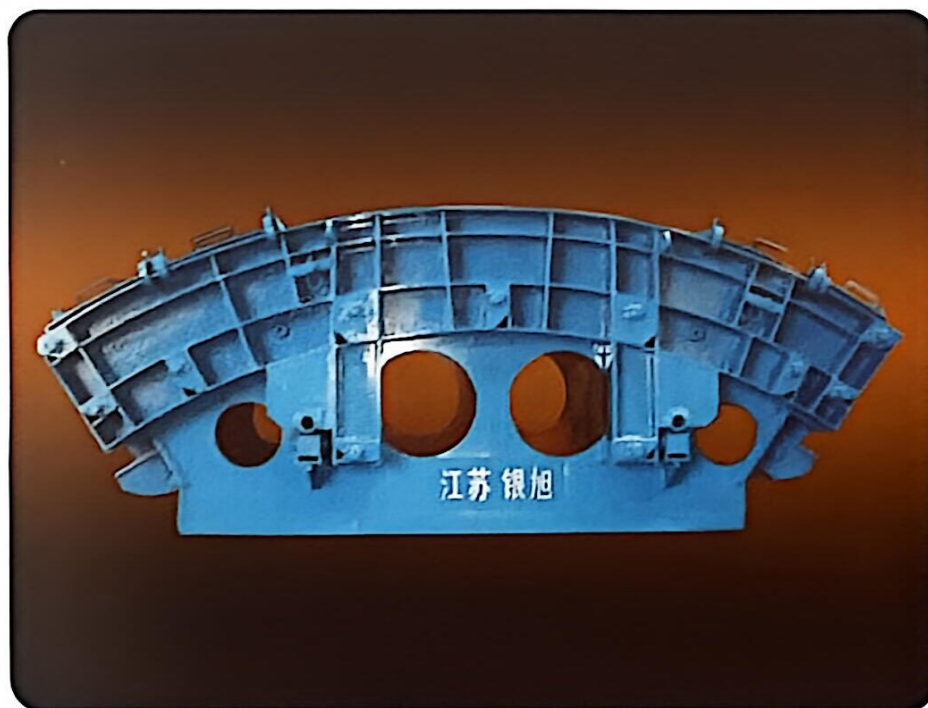
## Shanghai subway steel mold



**Cooperation company:**  
Shanghai Tunnel Engineering Co., Ltd.  
China Railway 23th Bureau Group Co., Ltd.

# SHANGHAI

## Chengdu Metro steel mold



# ChengDu

**Cooperation company:**  
China Railway 23th Bureau Group Co., Ltd.

## Wuhan Metro steel mold



**Cooperation company:**  
Wuhan Municipal Works Cement Product Co., Ltd.



# W uHan

## Hangzhou Metro steel mold

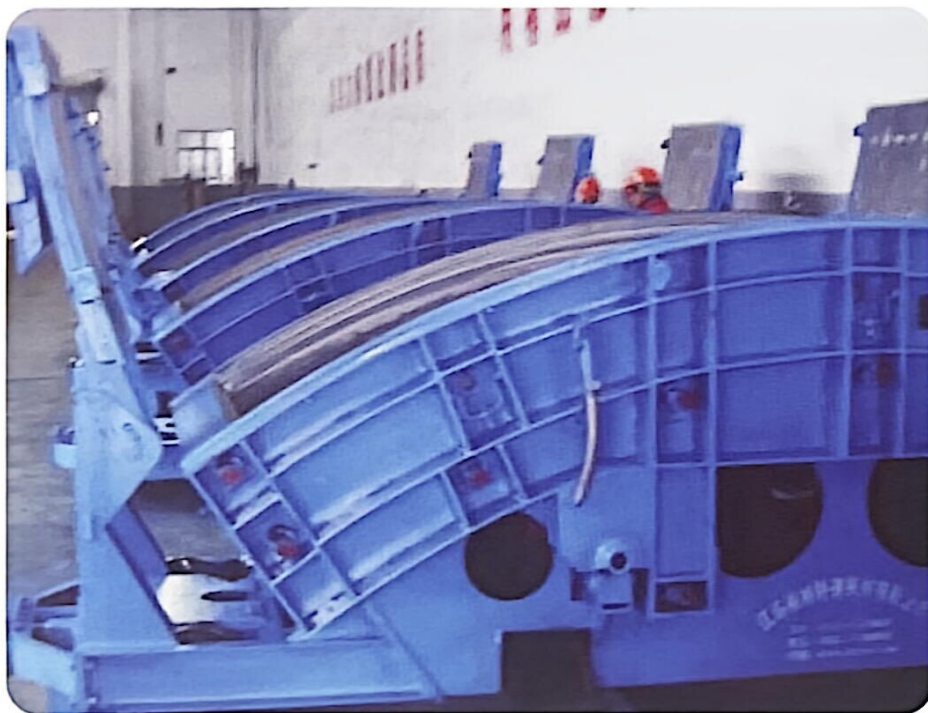


# HANGZHOU

### Cooperation company:

Zhejiang Guoyu Tunnel Segment Manufacturing Co. Ltd.  
Zhejiang Yonghe building materials Co., Ltd.

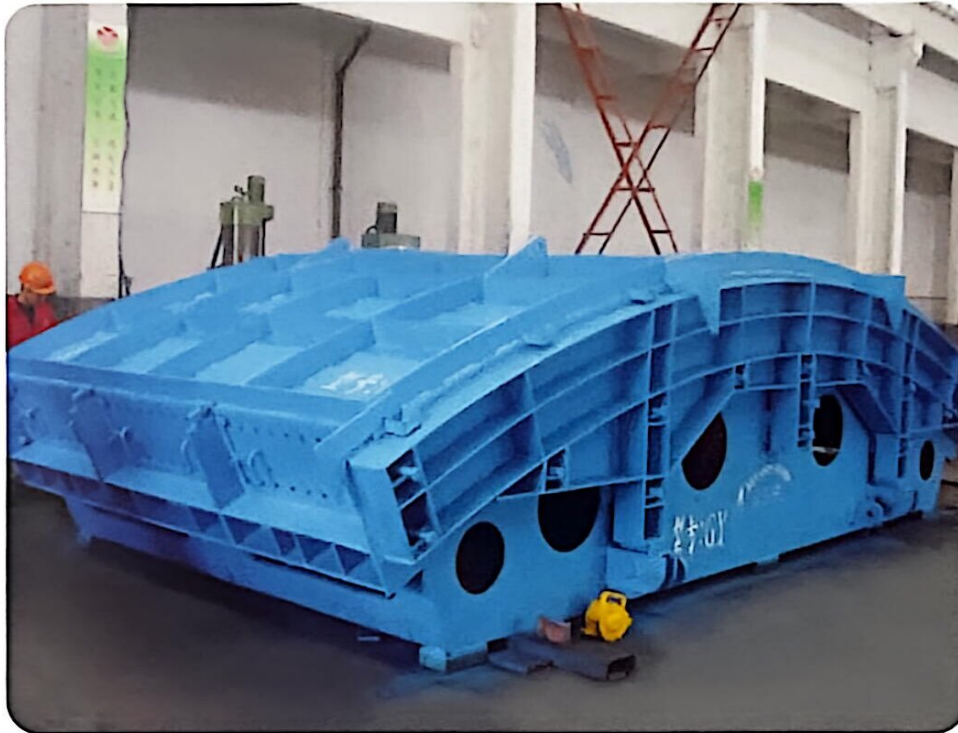
## Suzhou Subway steel mold



**Cooperation company:**  
China Railway 23th Bureau Group Co., Ltd.  
Suzhou Sanjia Traffic Engineering Prestressed Co. Ltd.

# SuZhou

## The Lanxin high-speed rail dugout steel mold



# LanXin

**Cooperation company:**

China Railway Fourth Bureau Group Fifth Engineering Co.  
Hami beam field

## Supporting ancillary products - Flip frame



The company produces pipe piece flip frame for flip and automated conveyor the precast floor segments, can carry out various types of shield segment 90 degree flip.

## Vacuum suction machine

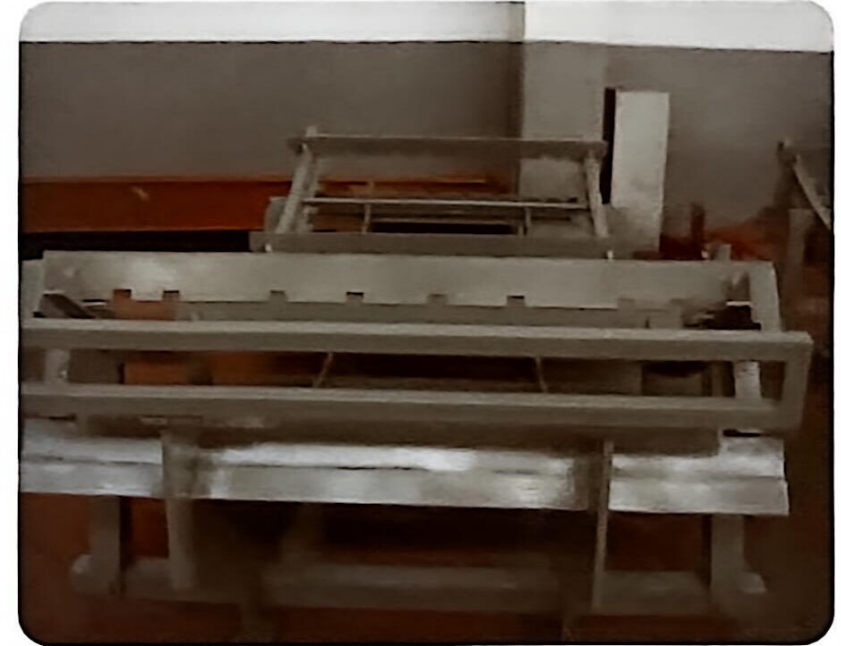


The company produces sucker machine, safe, reliable, flexible operation, vertical rotated 90 degrees; horizontal flip 90 degrees.

## Supporting ancillary products - Steel tires cage

Tube sheet steel is mainly used for prefabricated tube sheet steel cage molding, the product main features are following:

- 1 design user-friendly, simple operation;
- 2 increase the production of precision steel cage;
- 3 low labor intensity, save on labor costs and improve productivity.



## Supporting ancillary products - Tube sheet spreader



Tube sheet spreader, is a special tool for lifting and transportation segments, with a reasonable structure, easy to use, hoisting balance and does not damage tube sheets.

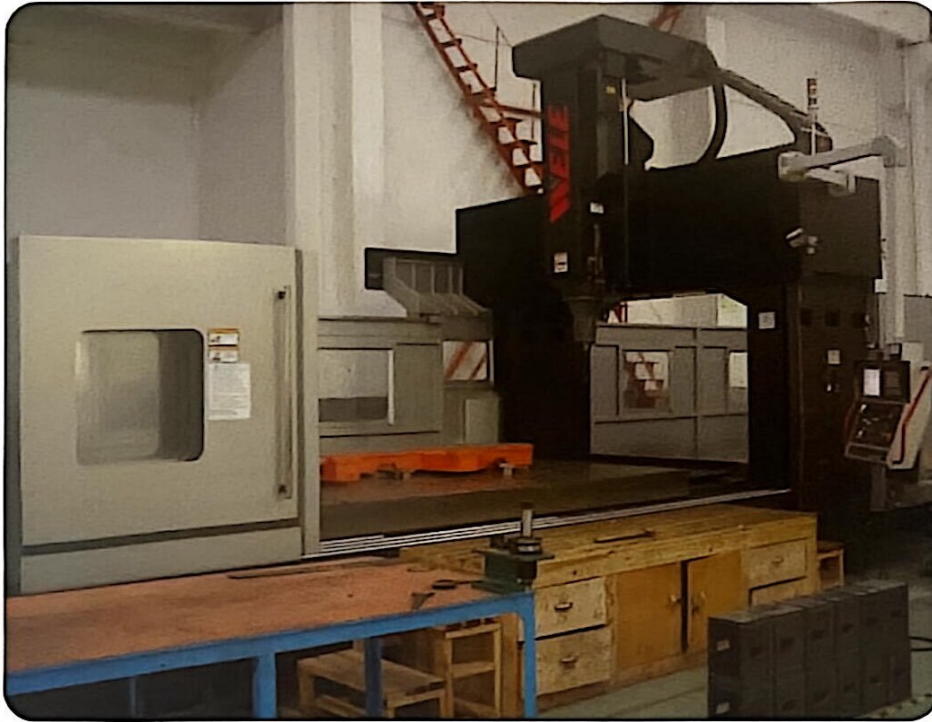
# AUXILIARY PRODUCT

## Special equipment - Machining Center

CNC machining center is consisted by machinery equipment and CNC system components which is suitable for high-efficiency machining of complex parts precision automation tools.

Its characteristics are able to focus automatically complete a variety of processes, avoiding human operator error, reduce the workpiece clamping, measuring and machine tools to adjust the time and the work flow, handling and storage time, especially for essential uses tooling and equipment to ensure product quality and efficiency of the workpiece.

The equipment is mainly used for machining of precision parts.



## Special equipment - Vertical Lathe



Vertical lathe is mainly used for machining large diameter, short length of large, heavy workpieces and difficult in horizontal lathe clamping of workpieces, swing diameter of the case to meet, too clamping workpieces in sleeper, because of their weight, impact on the machining accuracy, using vertical lathe can solve these problems.

This device can be the turning cylindrical surface, the outer cylinder, end face, conical surface, conical surface and the outer surface of the complex rotary surface roughing and finishing, but can also be grooving, cutting and other processing, making steel, steel sheet precision reliable protection.

The equipment is mainly used in steel sheet for end face, grooving and pipe jacking machine housing, transitional ring, cutter and steel plates and end plates of roughing and so on.

## Special equipment - Shot blasting machine, Bending machine

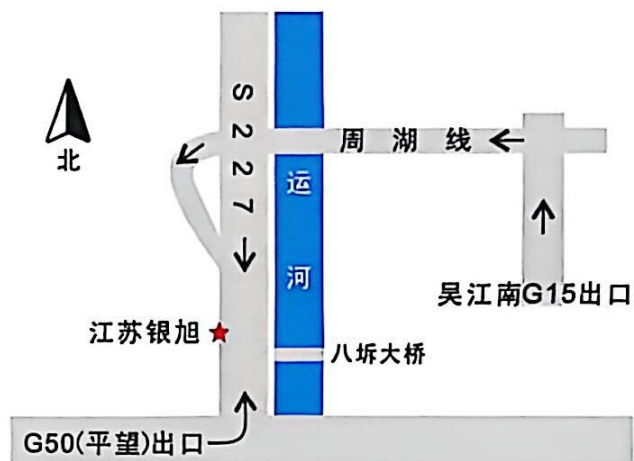
Shot blasting machine through the falling speed will steel grit, steels shot at high speed into falling surface material impact descaling a rust technology. Compared to other rust technology, it is faster and more efficient.

The steel balls which can be supplied to the high-speed rotation of the disc by the action of centrifugal force, thrown high speed steel shot hit the part surface, to achieve the purpose of polishing. So that parts of the surface compressive stress, can improve their ability to tensile fatigue strength and stress corrosion.

The equipment is mainly used for all kinds of steel rust.

Bending machine mainly used for all kinds of circular plate rolling.





## 江苏银旭隧道机械有限公司

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