

CASTING PARTS | CASTING CENTER



铸件中心 Casting Center

公司简介

Company Profile



格林策巴赫集团于1960年在德国哈姆拉成立，现已发展成为一个全球运营集团。格林策巴赫机械（嘉善）有限公司是亚太地区主要工厂。

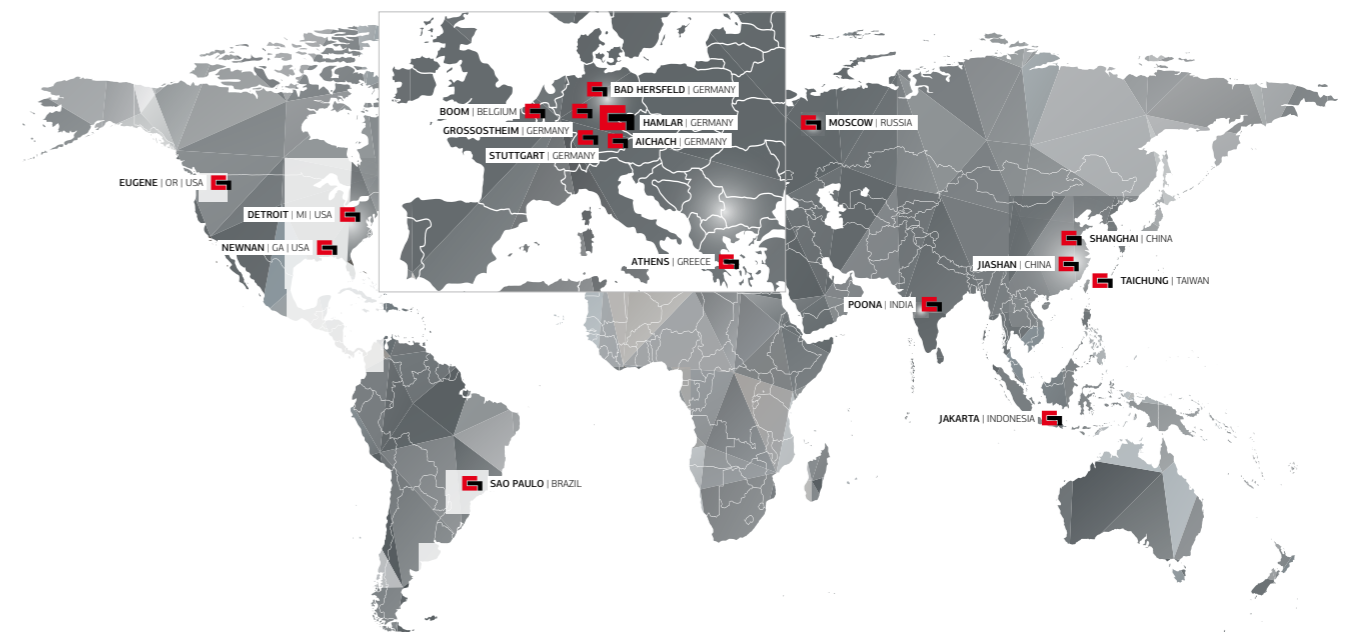
格林策巴赫集团是一家领先的工业过程自动化专家。公司为全球玻璃、建材、内部物流以及铸件需求客户开发定制从规划到制造和调试的自动化解决方案。

格林策巴赫集团已累计在55个国家安装了超过3000套成套设备是足以证明其设备的质量和可靠性。超过90%的出口率使这家中型企业成为全球经济的参与者。

Founded in 1960 in Hamlar, Germany, Grenzebach has developed into a worldwide operating group. Grenzebach Machinery (Jiashan) Ltd. is the main location within the APAC.

The Grenzebach Group is a leading specialist for the automatization of industrial processes. The company develops customized automation solutions from planning to manufacturing and commissioning for the global markets of the glass, building materials, intralogistics and casting industry.

Over 3,000 installations in 55 countries are proof of quality and reliability. An export ratio of more than 90 percent makes the medium-sized company group a global player.



产品

Products

铸铁件

Iron Casting Parts



铸铝件

Aluminum Casting Parts



铸钢和锻钢件

Steel Casting and Forging Parts



新智能铸造厂

New Smart Foundry



新潮模砂自动造型线 (HWS)
 年产能40000吨
 砂箱尺寸：2000 × 1100 × 450/400 mm
 德国进口主机
 造型速度：40模/小时

Main equipment: HWS/Seisatsu modelling line
 Annual capacity: 40000 tons
 Flask size: 2000 × 1100 × 450/400 mm
 Host machine by German technology
 Modelling speed: 40 mold/h

HWS 造型线

HWS modelling line



造型线主机 Host machine



浇注机 Pouring machine

环保
 ENVIRONMENT
 FRIENDLY

稳定高品质
 STABLE & HIGHER
 QUALITY

低成本
 LOWER
 COST

24小时生产
 24 HOURS
 MANUFACTURING

短交货时间
 SHORTENED
 DELIVERY TIME



铸件中心

Casting Center



格林策巴赫机械（嘉善）有限公司铸件中心，致力于工业机械设备领域中铸件、锻件及焊接件的生产制造、成品加工。其中铸件包括铸铁件、铸铝件、铸钢件。

我们长期为世界知名的工业机械设备公司提供铸件和加工件。

在工业机械设备领域，我们的铸件产品涵盖了从0.5Kg到1000Kg的铸件。在相关的铸造、加工、检验以及贸易等方面，我们整合了大量资源，以及系统有效、富有正对性的经验和数据，为我们客户提供可靠配件和服务的打包解决方案。

The Grenzobach Casting Center focuses on casting parts, forging parts and welding parts for industrial usage. Casting includes iron, steel and aluminum corresponding to all standards.

Grenzobach can look back on many years of successful cooperation with well-known industrial machinery and equipment manufacturers.

Grenzobach integrates a varied supply-chain and disposes of a wide experience in casting, machining and processing industrial parts from 0.5 kg to 1000 kg. Apart from highly reliable products, Grenzobach also offers customer specific service solutions, all according to German quality and management standards.

铸造产能

Casting Capacity

铸造供应链

树脂砂手工造型线：9条
 潮模砂机器造型线：9条
 金属型重力铸造：7000吨/年
 压力铸造：3000吨/年
 熔模铸造生产线：4条
 热模锻生产线：2条

Casting Supply Chain

Resin sand casting line: 9
 Green sand machine casting line: 9
 Chill casting and gravity casting: 7000 MT/year
 Low/high pressure die casting: 3000 MT/year
 Investment casting line: 4
 Hot forging line: 2

| 铸造工艺 CASTING PROCESS | 材料 MATERIAL | 产线规格 LINE TYPE | 产线数量 LINE QTY | 供应商数量 SUPPLIER QTY | 年产能(吨) ANNUAL CAPACITY (MT) | |
|---------------------------------------|----------------|---|------------------|-----------------------|--------------------------------|--------|
| 树脂砂手工造型 Resin sand casting | 铁 Iron | 树脂砂生产线 Resin sand casting line | 7 | 4 | 54000 | |
| | 铝 Aluminum | | 2 | 2 | 2000 | |
| 压力铸造 Die casting | 铝 Aluminum | 高压压铸和低压铸造 Die casting high/low pressure | - | 4 | 3000 | |
| 金属型铸造 Chill casting | 铝 Aluminum | 重力铸造 Gravity casting | - | 4 | 7000 | |
| 潮模砂机器造型 Green sand machine casting | 铁 Iron | 潮模砂机器造型线 Green sand machine casting line | (2100×1100×420) | 2 | 8 | 230000 |
| | | | (1850×900×350) | 1 | | |
| | | | (1300×980×350) | 1 | | |
| | | | (1200×920×300) | 2 | | |
| | | | (1000×800×300) | 1 | | |
| 熔模铸造 Investment casting | 钢 Steel | 失蜡产线 Lost wax line | (700×600×250) | 2 | 4 | 12000 |
| | | | | 4 | | |
| | | | | 4 | | |
| 热模锻造 Hot mold forging | 钢 Steel | 热模锻产线 Hot mold forging line | 2 | 2 | 7200 | |

加工产能

机加设备

MAZAK 双工位4轴卧式加工中心



Machining Capacity

Machining Equipment

MAZAK Double station 4 axis horizontal CNC – HCN10800

| | | |
|--------|----------------------|--------------------------------|
| X轴行程 | X axis travel | 1700 mm |
| Y轴行程 | Y axis travel | 1400 mm |
| Z轴行程 | Z axis travel | 1525 mm |
| 定位精度 | Location precision | ±0.003 WmmJIS/0.01 mm ISO230/2 |
| 重复定位精度 | Relocation precision | ±0.001 mm/0.005 mm ISO230/2 |

MAZAK 双工位4轴卧式加工中心



MAZAK Double station 4 axis horizontal CNC – Nexus6000-II

| | | |
|--------|----------------------|--------------------------------|
| X轴行程 | X axis travel | 800 mm |
| Y轴行程 | Y axis travel | 800 mm |
| Z轴行程 | Z axis travel | 800 mm |
| 定位精度 | Location precision | ±0.003 WmmJIS/0.01 mm ISO230/2 |
| 重复定位精度 | Relocation precision | ±0.001 mm/0.005 mm ISO230/2 |

MAZAK 双工位4轴卧式加工中心



MAZAK Double station 4 axis horizontal CNC – HCN8800

| | | |
|--------|----------------------|-------------------------------|
| X轴行程 | X axis travel | 1400 mm |
| Y轴行程 | Y axis travel | 1200 mm |
| Z轴行程 | Z axis travel | 1325 mm |
| 定位精度 | Location precision | ±0.003 mmJIS/0.01 mm ISO230/2 |
| 重复定位精度 | Relocation precision | ±0.001mm/0.005mm ISO230/2 |

MAZAK 双工位4轴卧式加工中心



MAZAK Double station 4 axis horizontal CNC – HCN6000

| | | |
|--------|----------------------|--------------------------------|
| X轴行程 | X axis travel | 800 mm |
| Y轴行程 | Y axis travel | 800 mm |
| Z轴行程 | Z axis travel | 800 mm |
| 定位精度 | Location precision | ±0.003 WmmJIS/0.01 mm ISO230/2 |
| 重复定位精度 | Relocation precision | ±0.001 mm/0.005 mm ISO230/2 |

MAZAK 双主轴车铣复合加工中心



MAZAK Double main axis CNC – INTEGREGX i-300S

| | | |
|--------|----------------------|----------------|
| X轴行程 | X axis travel | 615 mm |
| Y轴行程 | Y axis travel | 250 mm |
| Z轴行程 | Z axis travel | 1585 mm |
| W轴行程 | W axis travel | 1574 mm |
| B轴行程 | B axis travel | -30°~210° |
| 定位精度 | Location precision | <0.011 mm/1000 |
| 重复定位精度 | Relocation precision | <0.003 mm/1000 |

泡沫密封装备



Foam sealing machine – SJ-304

| | | |
|------|--------------------|--------------|
| X轴行程 | X axis travel | 800 mm |
| Y轴行程 | Y axis travel | 600 mm |
| Z轴行程 | Z axis travel | 150 mm |
| 定位精度 | Location precision | ±0.2 mm/1000 |

AGMA 立式加工中心



AGMA Vertical CNC – VMC115

| | | |
|--------|----------------------|----------------|
| X轴行程 | X axis travel | 1100 mm |
| Y轴行程 | Y axis travel | 550 mm |
| Z轴行程 | Z axis travel | 580 mm |
| 定位精度 | Location precision | ±0.006 mm/1000 |
| 重复定位精度 | Relocation precision | ±0.003 mm/1000 |

机加设备

AGMA立式加工中心



Machining Equipment

AGMA Vertical CNC - VMC 106

| | | |
|--------|----------------------|----------------|
| X轴行程 | X axis travel | 1000 mm |
| Y轴行程 | Y axis travel | 600 mm |
| Z轴行程 | Z axis travel | 600 mm |
| 定位精度 | Location precision | ±0.006 mm/1000 |
| 重复定位精度 | Relocation precision | ±0.003 mm/1000 |

卓勒对刀仪-Smile 600



ZOLLER Smile 600

| | | |
|------|----------------------|--------------|
| 软件 | Software | Pilot 3.0 |
| X轴精度 | Measurement X | 300 mm/11.8" |
| Y轴精度 | Measurement Y | ±50 mm/1.9" |
| Z轴精度 | Measurement Z | 600 mm/23.6" |
| 直径 | Diameter | 600 mm/23.6" |
| 检视直径 | Caliper gauge Φ | 20 mm/0.8%* |

刀具库



Tools library

| | | |
|------|------------------|------|
| 总计 | Total (pcs) | 4312 |
| 镗刀 | Boring tools | 812 |
| 面铣刀 | Boring tools | 1010 |
| 立铣刀 | Milling cutters | 492 |
| 钻头 | Drilling bits | 663 |
| 丝锥 | Screw taps | 464 |
| U 钻刀 | U Drilling tools | 678 |
| 倒角刀 | Rose reamer | 193 |

质量控制

检测设备

蔡司三坐标



Quality Control

Inspection Equipment

ZEISS CMM

| | | |
|------|-----------------------|-----------------------|
| 品牌 | Brand | 蔡司 ZEISS |
| 型号 | Type | ACCURA 12/24/10 |
| 测量范围 | Measurement range | 1200 × 2400 × 1000 mm |
| 测量精度 | Measurement precision | 2.2+L/300 um |

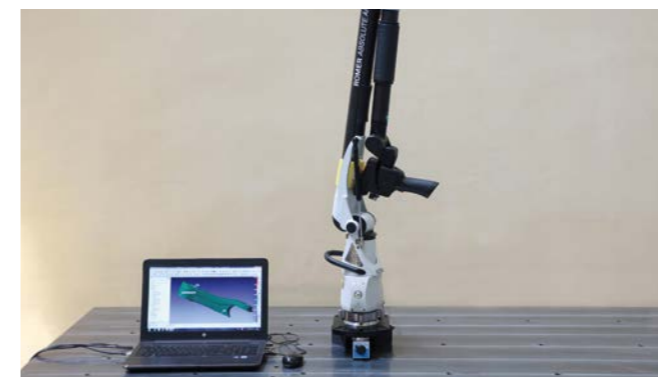
蔡司三坐标



ZEISS CMM

| | | |
|------|-----------------------|-----------------------|
| 品牌 | Brand | 蔡司 ZEISS |
| 型号 | Type | CONTURA G3 12/24/10 |
| 测量范围 | Measurement range | 1200 × 2400 × 1000 mm |
| 测量精度 | Measurement precision | 2.1+L/333 um |

激光扫描仪



Laser scanner

| | | |
|------|----------------------|----------------|
| 品牌 | Brand | 海克斯康 HEXAGON |
| 型号 | Type | 7525SEI |
| 测量直径 | Measurement diameter | Φ 2700 mm |
| 单点精度 | Single point | 0.02 mm |
| 空间精度 | Volumetric | ±0.038 mm |

检测设备

气密性试验机 Leakage tester F520



金相分析仪 Metallographic analyzer



金相试样抛光机 Polishing machine



Inspection Equipment

布氏硬度计
Brinell hardness tester



微控电子万能试验机
Computerized tensile tester



喷涂车间

Painting Workshop

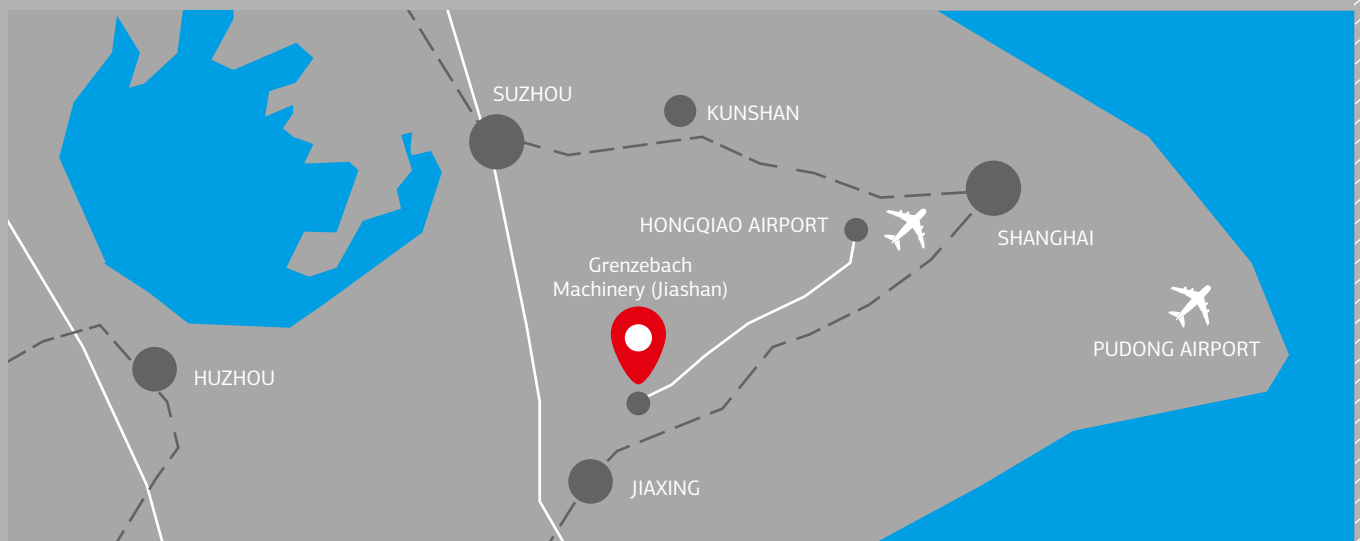


| | |
|---------------------------------|---|
| 工件 Work piece | 设备钢结构和铸件 Equipment steel structure and casting |
| 工件材质 Work piece material | 铸铁件 铸铝件 铸钢件 结构钢 等 Iron casting, aluminum casting, steel casting and forging, structural steel etc. |
| 运行时间 Running time | 连续运行252天/年 每天3班(8小时) Continuous running, 252days/year, 3 shifts/day (8 hours) |
| 工件最大尺寸 Max. dimension | 6000(长) × 1200(宽) × 2500(高)(mm) 6000 (L) × 1200 (W) × 2500 (H) mm |
| 最大悬挂重量 Max. hanging weight | 小于等于1吨 ≤1000 kg |
| 工作节拍 Working beat | 最大节拍10分钟/挂架 Max. beat 10 min/hanger |
| 输送机类型 Overhead conveyor type | XFJ4 |
| 年产量 Annual output | 1 百万平方米/年 1 Million m ² /year |

CASTING PARTS | CASTING CENTER

公司位置

Location of Grenzebach



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