

JZTG®



长沙市金钻机械有限公司

高端旋挖钻具领跑者

CHANGSHA GOLDEN DRILLING MACHINERY CO.,LTD  
THE LEADER OF THE ROTARY DRILLING TOOLS



## ABOUT US

### 企业简介

成立于2008年的长沙市金钻机械有限公司，是一家集旋挖钻机钻具设计、生产、销售于一体的高科技企业。座落伟人故乡、工程机械之都—湖南长沙，12年来始终坚守匠人精神，以创新引领价值，以品质构建未来。2020年销量遥遥领先！

金钻凭借领先的智能制造工艺、全球化的工业设计、卓越的产品品质，现已成为行业标准的制定者。拥有现代化的智能制造厂房、各种大型加工设备，具备了规模化生产能力，车间执行7S管理规范，办公执行ERP管理系统，并通过国际ISO9001质量体系认证、ISO14001环境体系认证、ISO18001安全管理体系认证。

公司生产采用国内先进的30kw激光下料、大功率抛丸机、坡口机及全套组装机、铆接工装、专业油漆房、自动焊接机器人生产线。为制造每一个高标准、好品质钻头保驾护航。

公司主营产品有：双底截齿捞砂钻斗、截齿取芯桶钻斗、牙轮取芯桶钻斗、截齿开体钻斗、单锥单螺旋截齿钻斗、双锥单螺旋截齿钻斗在行业内享有盛誉，先后与山河智能，三一重工，中联重科等行业知名企业建立战略合作，为国内各大主机厂家指定配套供应商，金钻以湖南为起点，在贵州、云南、广东、广西等省市设立了办事处，产品遍布全国各地。并先后出口到日本、俄罗斯、印度尼西亚、巴西、越南、柬埔寨、新加坡、欧洲等十多个国家和地区。

Changsha Golden drilling machinery co., ltd was founded in the central city of the capital of construction machinery - Changsha, Hunan in 2008. It's a high-tech enterprise specialized in the design ,production and sales of the rotary drilling tools,during 12year,we are always adhere to the spirits of craftsmanship ,innovation lead the value ,quality building further.2020 all sales created new high.

With its leading intelligent manufacturing technology, global industrial design, and excellent product quality, our company have been become the industry standard maker. It has modern intelligent manufacturing plants, various large-scale processing equipment, and has large-scale production capacity. The workshop implements 7S management standards, and the office implements ERP management system. It has passed the international ISO9001 quality system certification, ISO14001 environmental system certification, and ISO18001 safety management system certification.

Our factory uses the domestic advanced 30kw laser blanking machine ; high-power shot blasting machine; beveling machine and a full set of assembly tooling; riveting tooling; professional paint room; automatic welding robot production line; just only for the manufacture of every high-

standard, good-quality drill bucket .

Our factory main products have double bottom clay bucket ,rock core barrels , roller bits core barrel ,open type drilling bucket ,Auger bucket etc. we are enjoy a high reputation in the industry it has established strategic cooperation with well-known companies in the industry such as Sunward Intelligent, Sanye Heavy industry , Zoomlion,etc. and designated supporting suppliers for major domestic mainframe manufacturers. We are start from Hunan , also we have branch company in Guizhou, Yunan Guangdong ,Guangxi , our products have been sell to all over the country , also exported to Japan ,Russia ,Indonesia ,Brazil, Vietnam, Cambodia ,Singapore, Europe and other more ten countries and regions .



# OUR HISTORY

## 发展历程

过去与现在,每一段发展足迹,都是金钻机械的财富。  
每一次成长和跨越,都是金钻机械腾飞的力量。

in the past and present, every development footprint is our the wealth  
Every growth and leap is our Powers

### 2013年

“金钻机械”商标注册成功,公司地址搬迁致省会长沙,星沙经开区。

JZTG trademark have been register. company moved to the provincial capital Changsha.



### 2008年

金钻前身湘潭科大机械有限公司成立。

JZTG predecessor Xiangtan KEDA marchiner Co.,ltd was founded.

### 2014年

金钻工厂获得ISO9001 14001质量体系认证。

factory got the ISO9001 ISO14001 certification.

### 2015年

金钻工厂执行经销制,吸引更多的贸易商家加盟,拓展国内市场。

Implement the distribution system ,attract more trade merchants to join and expand the domestic market.

### 2016年

与山河智能达成战略合作,成为山河智能独有配套供应商。

Reached strategic cooperation with Sunward and designated supplier.

### 2018年

金钻新工业园区建成并投入使用,成为中国最大的旋挖钻具生产基地。

Our own industrial park was built and used, it's China's largest rotary drilling tool production base.



### 2017年

金钻与中联重科达成战略合作,配套率高达70%。

2017 Reach strategic cooperation with Zoomlion and designated supplier,The matching rate is more than 70%.

### 2019年

先后设立15个分公司,为品牌在当地市场的发展保驾护航。

Established 15 branches office ,escort the development of the brand in the local market.

### 2020年

战略全面升级,成立湖南伊娃机器人公司,旋挖机工程公司,致力于桩基旋挖行业蓬勃发展,通过集自动化、数字化于一体,打造生产资源高效整合的新型钻头、结构件生产基地。

The strategy is comprehensively upgraded, and the Hunan Eva Robot Company and the Rotary Digging Machine Engineering Company are established. They are committed to the vigorous development of the pile foundation Rotary Digging industry. Through the integration of automation and digitalization, a new type of drill and structural parts production base with efficient integration of production resources will be created.



# OUR CERTIFICATE

## 企业资质



营业执照  
business license



中联重科最佳服务供应商  
The best service supplier  
of Zoomlion



山河智能最佳服务供应商  
the Best Service Supplier  
of SunwardIntelligent



开户许可证  
Opening bank account permit



中南林业科技大学商学院·产学研实习基地  
Industry-University-Research Practice Base,  
School of Business, Central South University of Forestry  
and Technology



AAA级质量服务诚信单位  
3A Quality service integrity company





一种旋挖钻头底板连接结构



一种旋挖钻头斗顶与筒体的连接结构



一种旋挖钻头连接方箱



一种旋挖钻头切削钻进结构



一种断开接触式的旋挖钻头开锁机构



旋挖钻头(双底截齿捞砂斗)外观



旋挖钻头(截齿取芯钻)外观



旋挖钻头(截齿分体式两瓣斗)外观



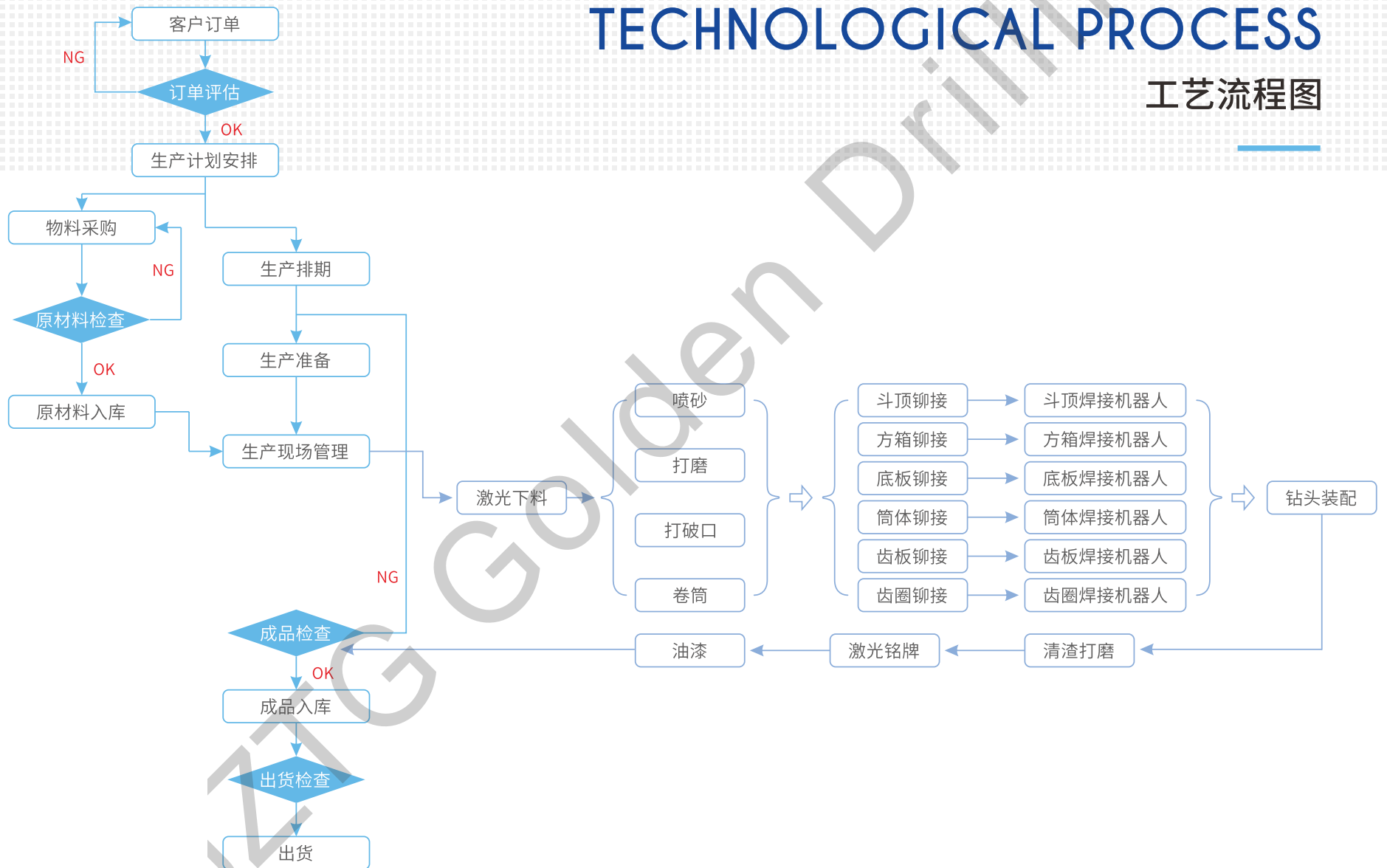
ISO9001质量管理体系 中文证书



ISO9001质量管理体系 中文证书

# TECHNOLOGICAL PROCESS

## 工艺流程图







01  
激光下料  
Laser cutting

精度高, 误差小, 速度快, 缺陷少。

High precision, small error, high speed, small defect.



02  
坡口机  
Bevelling machine

操作简便、角度标准、表面光滑、焊接性能优良。

Simple operation, standard angle, smooth surface and excellent welding performance.



03  
折弯机  
Bending machine

提高板材弯制效率, 减少板材对接焊缝, 保持结构整体性。

Improve sheet bending efficiency, reduce sheet butt welds, and maintain structural integrity.



04  
铆接工装  
Riveting tooling

产品尺寸控制严格, 确保每件产品制作标准。

Strict product size control to ensure the production standards of each products.



05  
自动化焊接机器人  
Automated welding robot

焊接质量高, 缺陷少, 生产效率高, 成本低。操作简单, 故障少。

High welding quality ,Fewer defects ,High production efficiency ,Low cost, Simple operation ,Fewer failures.



06  
喷砂  
Sandblasting

清除工件油、锈、渣等杂质, 确保合格焊接质量。

Remove impurities such as working oil, rust and slag to ensure qualified welding quality.



07  
激光打码  
Laser coding

铭牌电脑排版、一牌一码、发货物流可追踪, 售后问题有追溯。

Nameplate computer typesetting ,One plate one version ,Delivery and logistics can be traced .After-sales problems are traced.



# OUR WORKSHOP

## 生产车间



▶ 钻头生产车间  
bucket workshop



▲ 下料车间  
Cutting workshop



▲ 焊接现场  
Welding site

01 零部件自动化焊接  
Automatic welding of parts



02 五轴加工中心  
five-axis machining center



03 龙门铣床  
Milling machine

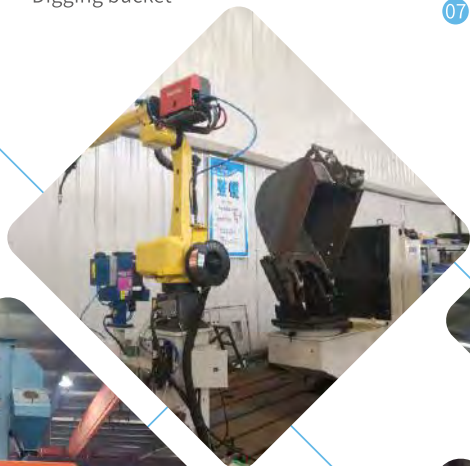


04 斗顶自动化焊接  
Automatic welding of bucket top





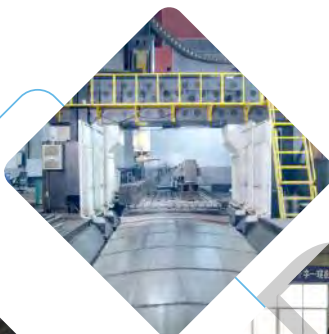
06 挖斗  
Digging bucket



07 方头自动化焊接  
Automatic welding of kelly box



10 三轴加工中心  
Three-axis machining center



13 数控等离子下料  
CNC plasma cutting machine



14 数控车床  
CNC lathe



05 抛丸设备  
Shot blasting equipment



08 折弯机  
Bending machine



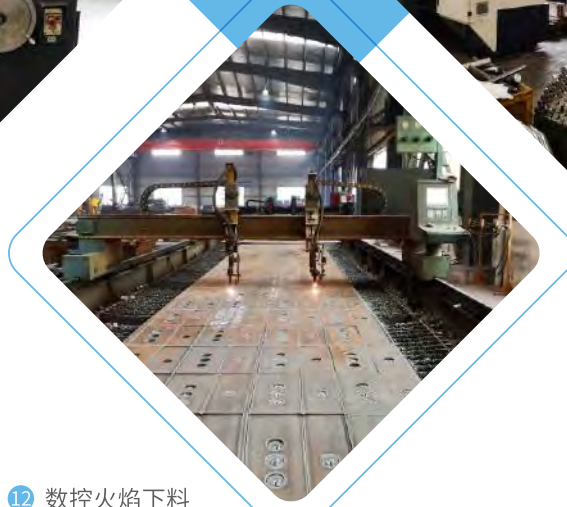
09 30kw激光下料  
30kw Laser cutting



11 磨床  
grinder



12 数控火焰下料  
CNC flame cutting



# OUR PRODUCTS

## 产品展示



三翼扩底钻斗  
Three-wing enlarge bucket

- 通用方箱:设计专利,专利号:ZL 2020 2 0714266.3, 结构更合理, 使用寿命更长。
- 圆柱筒体:增加支撑主轴筒体,提高结构强度、使用寿命。
- 切削齿:采用优质硬质合金钻齿、圆座。排齿方式经过充分设计计算及产品实验,降低截齿磨损、提高切削效率。
- 适用地层:适用于土层、回填土等软土层。

- General kelly box : Patented design, patent number: ZL 2020 2 0714266.3, more reasonable structure and longer service life.
- Cylindrical barrel bucket : Increase the support spindle barrel to improve structural strength and service life.
- Cutting teeth: Use high-quality carbide drill teeth and round holder. The gear arrangement method has been fully designed, calculated, and product tested to reduce pick wear and improve cutting efficiency.
- Applicable strata: suitable for soft soil layers such as soil layers and backfills.



截齿取芯桶钻  
Rock core barrel bucket

- 斗顶连接保护块:降低斗顶掉落机率。
- 原材料:钢材采用符合国际标准,确保钻具整体结构强度。
- 切削齿:采用优质硬质合金钻齿、圆座。
- 通用方箱:设计专利,专利号:ZL 2020 2 0714266.3, 结构更合理, 使用寿命更长。
- 耐磨条:全覆盖面耐磨条,降低磨损,提高使用寿命。
- 切削齿圈:经过充分设计计算及产品实验,合理优化切削面,提高切削效率、降低截齿磨损。

- Bucket top connection protection block: reduce the chance of bucket top falling.
- Raw materials: The steel suit for international standards to ensure the overall structural strength of the drill.
- Cutting teeth: use high-quality carbide drill teeth, round holder .
- General kelly box : Patented design, patent number: ZL 2020 2 0714266.3,more reasonable structure and longer service life.
- Wear strip: full coverage wear strip, reduce wear and improve service life.
- Cutting gear ring: after full design calculation and product experiment, the cutting surface is optimized reasonably, the cutting efficiency is improved and the cutter wear is reduced.





### 牙轮取芯桶钻

roller bits core barrel bucket

- 斗顶连接保护块:降低斗顶掉落机率。
- 原材料:钢材采用符合国际标准,确保钻具整体结构强度。
- 切削齿:采用优质硬质合金牙轮。
- 通用方箱:设计专利,专利号:ZL 2020 2 0714266.3,结构更合理,使用寿命更长。
- 耐磨条:全覆盖面耐磨条,降低磨损,提高使用寿命。
- 切削齿:经过充分设计计算及产品实验的排齿方式,合理优化切削面,提高切削效率、降低截齿磨损。

- Bucket top connection protection block: reduce the chance of bucket top falling.
- Raw materials: The steel suit for international standards to ensure the overall structural strength of the drill.
- Cutting teeth: use high-quality carbide roller bits .
- General kelly box : Patented design, patent number: ZL 2020 2 0714266.3,more reasonable structure and longer service life.
- Wear-resistant strips: full-coverage wear-resistant strips, reduce wear and improve service life.
- Cutting teeth has been fully designed, calculated, and product tested to reduce pick wear and improve cutting efficiency.

### 双锥单螺旋截齿钻头

Double cone single auger rock bit bucket



- 原材料:钢材采用符合国际标准,确保钻具整体结构强度。
- 切削齿:采用优质硬质合金钻齿、圆座锻造中心定位四分头。
- 通用方箱:设计专利,专利号:ZL 2020 2 0714266.3,结构更合理,使用寿命更长。
- 排齿:经过充分设计计算及产品实验,合理优化切削面,提高切削效率、降低截齿磨损。
- Raw materials: The steel suit for international standards to ensure the overall structural strength of the drill.
- Cutting teeth: use high-quality carbide drill teeth, round holder forging center positioning Quarter head.
- General kelly box : Patented design, patent number: ZL 2020 2 0714266.3,more reasonable structure and longer service life.
- The gear arrangement method has been fully designed, calculated, and product tested to reduce pick wear and improve cutting efficiency.

### 单锥单螺旋截齿钻头

single cone single auger rock bit bucket



- 原材料:钢材采用符合国际标准,确保钻具整体结构强度。
- 切削齿:采用优质硬质合金钻齿、圆座锻造中心定位四分头。
- 通用方箱:设计专利,专利号:ZL 2020 2 0714266.3,结构更合理,使用寿命更长。
- 排齿:经过充分设计计算及产品实验,合理优化切削面,提高切削效率、降低截齿磨损。
- Raw materials: The steel suit for international standards to ensure the overall structural strength of the drill.
- Cutting teeth: use high-quality carbide drill teeth, round holder forging center positioning Quarter head.
- General kelly box : Patented design, patent number: ZL 2020 2 0714266.3,more reasonable structure and longer service life.
- The gear arrangement method has been fully designed, calculated, and product tested to reduce pick wear and improve cutting efficiency.



### 双底截齿捞砂钻斗

double bottom rock bucket

- 通用方箱:设计专利,专利号:ZL 2020 2 0714266.3, 结构更合理,使用寿命更长。
  - 双支撑板开锁:,降低弯曲、断杠开锁失效机率。
  - 斗顶连接保护块:降低斗顶掉落机率。
  - 原材料:钢材采用符合国际标准,确保钻具整体结构强度。
  - 切削齿:采用优质硬质合金钻齿、圆座锻造中心定位四分头。
  - 排齿:经过充分设计计算及产品实验,合理优化切削面,提高切削效率降低截齿磨损。
- General kelly box : Patented design, patent number: ZL 2020 2 0714266.3, more reasonable structure and longer service life.
  - Double support plate unlocking: reduce the probability of failure of unlocking with bending and broken bars.
  - Bucket top connection protection block: reduce the chance of bucket top falling.
  - Raw materials: The steel suit for international standards to ensure the overall structural strength of the drill.
  - Cutting teeth: use high-quality carbide drill teeth, round holder forging center positioning Quarter head.
  - The gear arrangement method has been fully designed, calculated, and product tested to reduce pick wear and improve cutting efficiency.



### 截齿开体钻斗

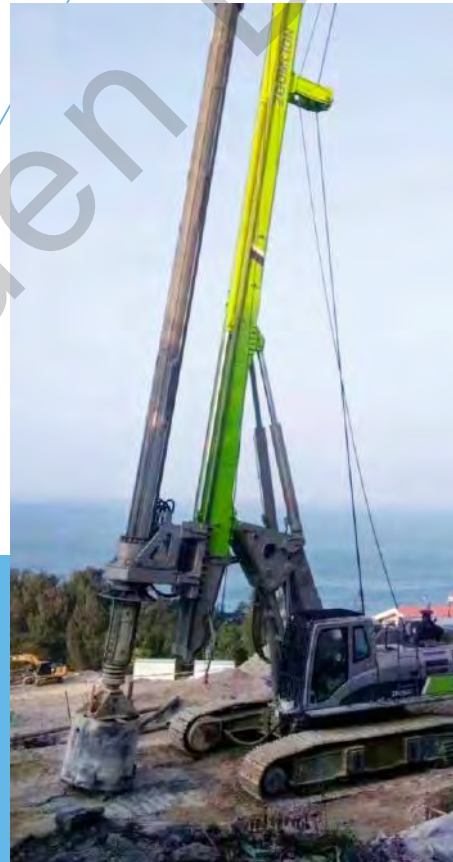
Rock open type bucket

- 专利设计方头连接筋板:防止方头掉落,延长使用寿命。
  - 原材料:钢材采用符合国际标准,确保钻具整体结构强度。
  - 切削齿:采用优质硬质合金牙轮。
  - 通用方箱:设计专利,专利号:ZL 2020 2 0714266.3, 结构更合理,使用寿命更长。
  - 经过充分设计计算及产品实验的排齿方式,合理优化切削面,提高切削效率、降低截齿磨损。
- Patent design kelly box connecting ribs: prevent the kelly box falling and prolong the service life.
  - Raw materials: The steel suit for international standards to ensure the overall structural strength of the drill.
  - Cutting teeth: use high-quality carbide roller bits .
  - General kelly box : Patented design, patent number: ZL 2020 2 0714266.3, more reasonable structure and longer service life.
  - The gear arrangement method has been fully designed, calculated, and product tested to reduce pick wear and improve cutting efficiency.



# 施工现场

Construction site

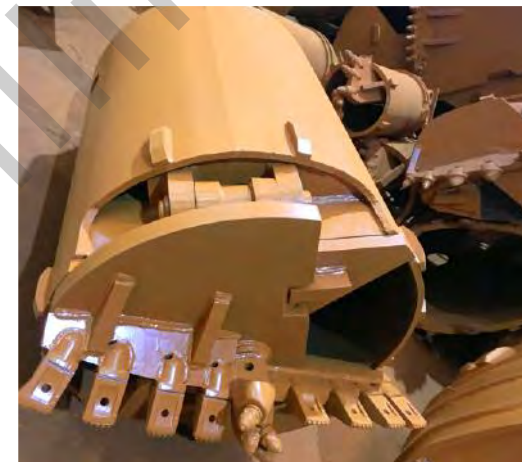


## 其他产品

Other products



▲ 双底斗齿钻斗  
Bottom clay bucket



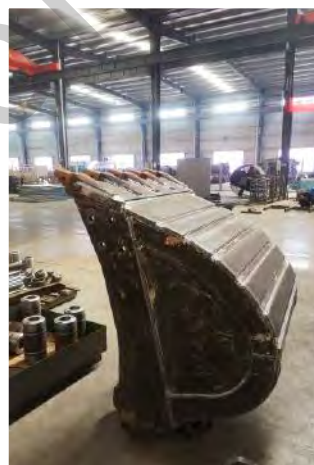
▲ 双底宝峨齿钻斗  
Bottom bauer bucket



▲ 子母桶钻  
Composite bucket



▲ 清底钻斗  
Cleaning bucket



▲ 挖斗  
Excavator bucket



▲ 动臂支撑座  
Boom support



▲ 夹轨架  
Clip rail shelf





▲ 钻头弹簧  
Spring



▲ 开锁压杆  
Lock lever



▲ 牙轮  
Roller bit



▲ 铰链  
Hinge



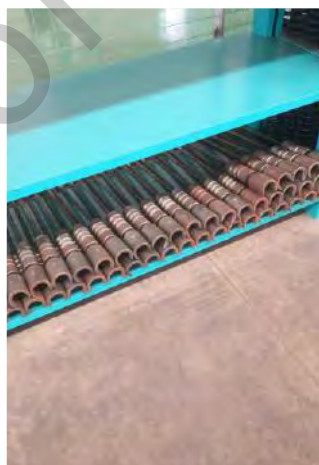
▲ 铰链轴  
Hinge shaft



▲ 四分头  
Quarter head



▲ 钻杆方头插销  
Kelly box latch



▲ 拔齿器  
Tooth extractor



▲ 中心轴螺丝  
Center shaft screw

## 钻头配件 Bucket accessories

## 截齿展示

### Rock bits products



**HQ306030-80**

适用于80-100兆帕花岗岩、玄武岩等极硬岩。  
Suitable for 80-100 MPa granite, basalt and other extremely hard rocks.



**HQ305017**

适用于砂层、砂砾层、全风化岩石。  
suitable for sand layer, gravel layer and completely weathered rock.



**HQ305019T**

适用于20-30兆帕砂砾层岩盐、全风化灰岩等地层。  
suitable for 20-30 MPa gravel rock salt, fully weathered limestone and other strata.



**HQ305022-AT**

适用于50-60兆帕坚固泥质页岩、中风化石灰岩、砂岩等地层。  
suitable for 50-60 MPa strong argillaceous shale, moderately weathered limestone, sandstone and other strata.



**HQ306022-6L**

适用于砂卵石、不坚固石灰岩、砂岩等;齿体大、耐磨。  
Suitable for sand, pebbles, unstable limestone, sandstone, etc., all teeth are large and Wearable





**HQ3050-6T**

适用于砂卵石层、红砂岩、胶结卵石层等地层。  
suitable for sand egg layer, red sandstone and cemented pebble layer.



**HQ305525-940T**

适用于70-80兆帕微风化灰岩、砂岩、磨刀石、中风化花岗岩、玄武岩等地层。  
suitable for 70-80mpa slightly weathered limestone, sandstone, grindstone, moderately weathered granite, basalt and other strata.



**HQ305022-3A**

适用于60兆帕中风化砂岩、灰岩、砾岩等地层。  
suitable for 60 MPa medium weathered sandstone, limestone, conglomerate and other strata.



**HQ306030-80**

适用于80-100兆帕花岗岩、玄武岩等极硬岩。  
The service features are suitable for 80-100 MPa granite, basalt and other extremely hard rocks.



方座 (HQB43)  
Square holder



合金小圆座 (HQ68x95)  
Alloy small round holder



合金大圆座 (HQ78x95)  
Alloy round big holder

# LOGISTICS SERVICES

## 发货服务

公司提供多种发货服务,可整车发货、专车送货、物流配送、空运发货等。您只需要一个电话,剩下的交给我们来做。

You are only call me, all the things we will according yr requirement arrange it . we can provide a variety of delivery service : Tailored delivery Service ,bulk delivery ,Logistics delivery ,airfreight etc.





质量问题  
三包政策  
Quality  
guarantee  
policy

免费维修  
Free maintenance

无偿更换  
free replacement

全额退款  
full refund



### 售前服务

Before sale service

- 公司将全程安排专人为您介绍公司情况,让您对您的合作伙伴有个真实的了解。
- 提供全方位的择优施工解决方案,包括施工工艺、钻具选择、施工设备配备、施工人员配备等,尽己所能为您创造最好的赚钱机会和条件。
- We will more clearly detail introduce our company , let' s you more clear to know yr partners.
- Provide a full range of optimal construction solutions, including construction technology, drilling tool selection, construction equipment, construction Staffing, etc., do our best to create the best money-making opportunities and conditions for you.

### 售中服务

Before sale service

- 接受到您的订单和定金后,公司及时安排生产和发货。
- 公司将有专人及时与您沟通生产和发货进度,出现任何变动及时向您反应,便于您对工地施工进度作出调整和安排。
- 公司提供多种物流方式及余款回款方式。
- We will more clearly detail introduce our company , let' s you more clear to know yr partners.
- Provide a full range of optimal construction solutions, including construction technology, drilling tool selection, construction equipment, construction Staffing, etc., do our best to create the best money-making opportunities and conditions for you.

### 售后服务

Before sale service

- 对产品的意见和申诉是您的权利,我们将认真倾听、记录,您所提出的问题将是我们不断改进和前进的动力。
- 公司将安排专人及时与您沟通产品使用情况,好的请您告诉朋友,不好的请您告诉我们。
- 公司旨在做一流产品,为客户、为社会创造价值,针对各种产品在使用过程中出现的质量问题,我们将在第一时间内解决。
- Opinions and appeals on the product are your right, we Will listen and record carefully, and your questions will be It is our driving force for continuous improvement and advancement.You are right to opinions and appeals for the products . we will listen and carefully record . all theproblem will It is our driving force for continuous improvement and advancement.
- we will arrange a dedicated person to communicate the products use situation. Hope ou can feel free tell me for the all question or good use feeling .
- we are aims to make first-class products for customers and Create value for society. During use our products have any question , we will solve the problem as soon as possible .

# AFTER-SALES SERVICE AND NETWORK MAP

## 售后服务与网点分布

- “高质量、优服务、求发展”
- “优质产品、合理价格、贴心服务”

High quality, excellent service and development  
 High-quality products, reasonable prices, considerate service

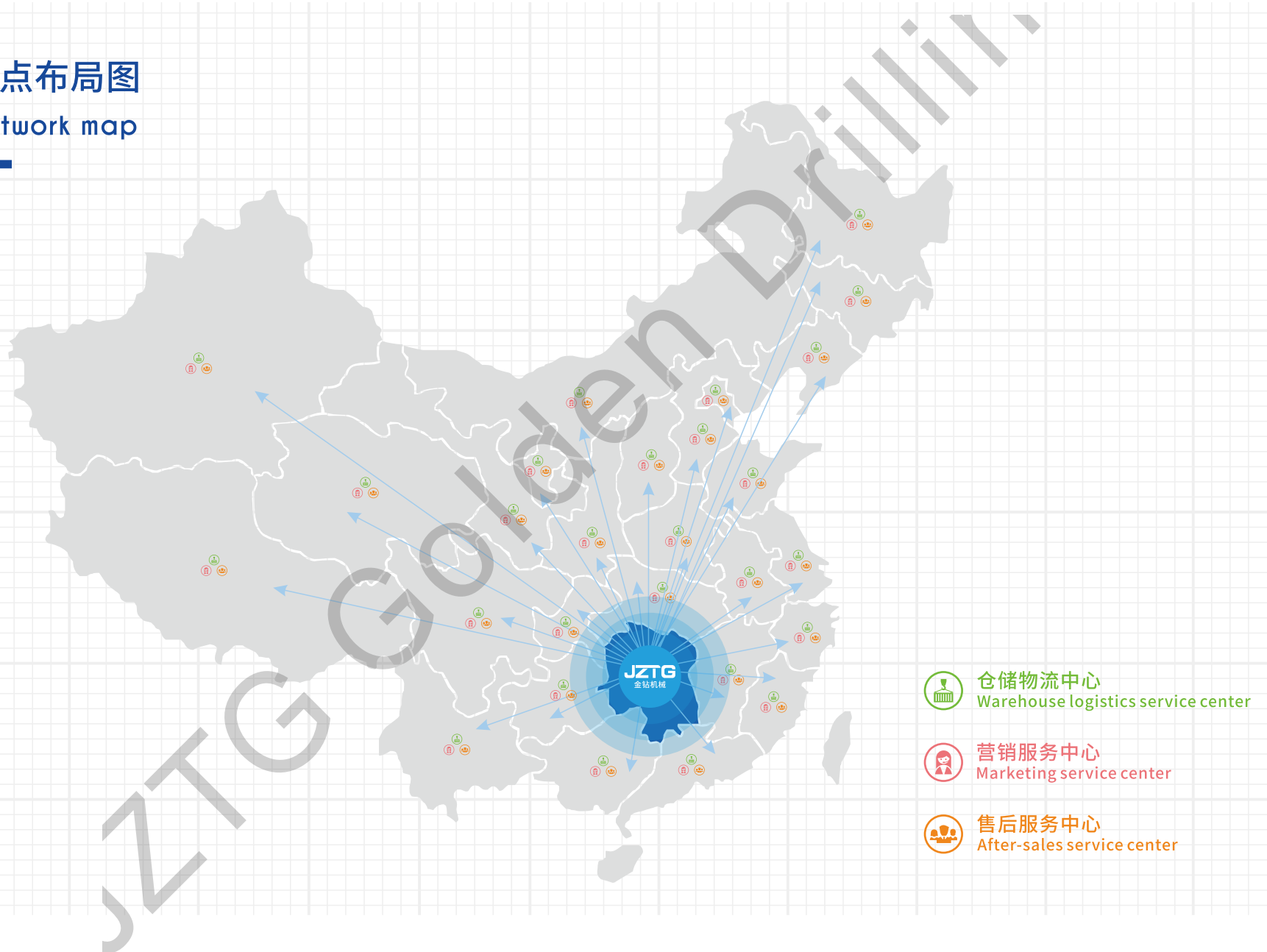


产品类别 Products series	保质期 warranty time	保质内容 Warranty content	非保质内容 Non-warranted content	处理方式 Treatment method
钻头类 Bucket series	15天 15 days	断、裂 Fracture and fracture	磨损、无裂变形 Wear and crack free deformation	一次性维修不成功,以旧换新 Failed repair, old for new
截齿类 Rock bits series	无 NO	断、裂、碎母体完好掉合金 The broken, cracked and broken matrix is intact and the alloy is removed	磨损 Abrasion	以旧换新 Old for new service
斗齿类 Flat teeth series	无 NO	断、裂、卷边 Break, crack, curl	磨损 Abrasion	以旧换新 Old for new service

长沙市金钻机械有限公司本着“高质量、优服务、求发展”的精神,以“优质产品、合理价格、贴心服务”的理念向您郑重承诺。

Our base the spirit of High quality, excellent service and development, the idea of High-quality products, reasonable prices, considerate service make the promise to you.

## 网点布局图 Network map



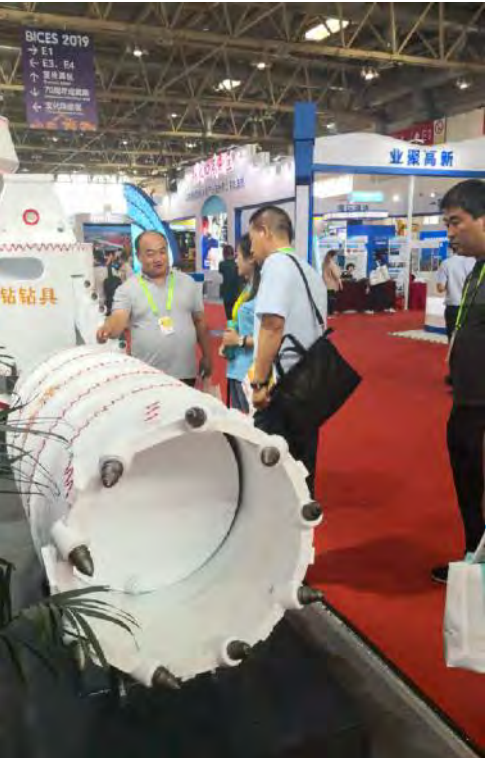


# OUR TEAM

## 企业风采







● ● ● JZTG® 金钻机械



金牌服务·钻石品质

长沙市金钻机械有限公司

CHANGSHA GOLDEN DRILLING MACHINERY CO.,LTD

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