

品质源于用材 品牌源于用心



云果机械设备制造

专业制造

各种旋挖钻具 · 截齿 · 钢护筒 · 全套管等

Manufacturer of drilling tools · drilling
teeth · steel casing · full casing

Quality comes from material

Brand comes from heart

江苏云果机械设备制造有限公司

Jiangsu Yunguo Machinery Equipment Manufacturing Co.,Ltd

COMPANY PROFILE

公司概况

江苏云果机械设备制造有限公司位于江苏宜兴，始创于 2014 年。是一家专注于旋挖钻具研发、制造与销售的高新技术企业。

作为旋挖钻具领域的领先者，公司主要生产和销售旋挖钻具、截齿、钢护筒、跟进护筒等。产品广泛应用于建筑基础、桥梁桩基、地铁隧道、水利工程等领域，适用于软土、硬岩、砂卵石等多种复杂地质条件。凭借卓越的性能和可靠的品质，我们的产品畅销全球，进入了阿尔及利亚、阿联酋、俄罗斯以及拉丁美洲等多个国家和地区，得到了客户的高度评价。

我们拥有一支专业的研发团队，致力于为全球基础施工行业提供高效、可靠、创新的旋挖钻具解决方案，助力客户在各类复杂地质条件下实现高效施工，并获得了多项专利认证。此外，我们采用先进的制造工艺和严格的质量控制体系，已获得 ISO9001 体系认证。产品具有高耐磨性以及高抗扭性。

自成立以来，公司参与了国内外多个重大工程项目。公司将继续秉持“创新驱动，品质为本”的理念，加大研发投入，拓展产品线，进一步提升在全球旋挖钻具市场的竞争力。

Jiangsu Yunguo Machinery Equipment Manufacturing Co.,Ltd is located in Jiangsu Yixing, established in 2014. It is a high-tech enterprise dedicated to the research, development and sales of drilling tools.

As the leader in the field of rotary drilling tools, we mainly produce and sell drilling tools, drilling teeth, casing etc. Our products are widely used in building foundations, bridge piles, subway tunnels, water conservancy projects, and more. They are suitable for complex geological conditions, such as soft soil, hard rock, gravel. With outstanding performance and reliable quality, our products sell well worldwide and have entered foreign markets such as Algeria, UAE, Russia and Latin America, receiving high praise from customers.

We have a professional R&D team, committed to providing efficient, reliable, and innovative drilling solutions for the global foundation industry, helping customers achieve high-performance operations in various complex geological conditions. And we have achieved various national patent certifications. We adopt advanced manufacturing processes and a strict quality control system. The company has passed the ISO9001 quality management system certification. Our products have high wear resistance, torque resistance.

Since establishment, Our company has participated in various major international projects. We uphold the philosophy of "Innovation-Driven, Quality-First", increasing investment in R&D, expanding product lines, and further enhancing our competitiveness in the global drilling tools market.



ABOUT DRILLING TOOLS

关于旋挖钻具

旋挖钻具是一种广泛应用于桩基工程的高效施工设备，主要用于建筑、桥梁、风电基础等领域的深孔成桩作业。旋挖钻机通过旋转和加压，使钻头切入地层，钻头满载后，钻杆提升至孔外，通过重复钻进-提钻-排渣流程，直至达到设计深度。旋挖钻具极高的适应性，可应对各种地层。此外具有高效环保、成孔质量高等优点，已成为现代桩基工程的主流设备。

The drilling tools are the key auxiliary equipment with high efficiency in the pile foundation. They are widely used for deep-hole pile construction in the field of buildings, bridges, wind power foundations and others. The drilling rig rotates and inflates to make the drilling tools cut into the stratum. After the bit is full, the kelly bar is lifted, repeating the process of drilling-lifting-discharging until reaching the target depth. The drilling tools are highly adaptive and can be used in different geological conditions. Furthermore, the drilling tools have the advantages of high efficiency, eco-friendliness and high-quality pile foundation. The drilling tools have become the mainstream device in the modern deep foundation.



PRODUCT DIRECTORY

产品目录

D **旋挖钻具** RILLING TOOLS

01 / 双底捞沙斗 drilling bucket

03 / 开口钻 open-type bucket

05 / 定制钻具 customized drilling tools

02 / 筒钻 core barrel

04 / 螺旋 auger

C **套管系列** ASING SERIES

01 / 双壁套管 double wall casing

02 / 单壁套管 single wall casing

S **钢护筒** TEEL CASING

D **钻齿** RILLING TEETH

01 / 截齿 round shank chisel

03 / 牙轮 roller bits

02 / 斗齿; 宝娥齿 flat teeth

D **旋挖配件** RILLING ACCESSORIES



DRILLING BUCKET

双底捞沙斗

双底捞沙斗主要用于钻进作业。它采用双层底板结构。通过中心悬挂轴连接底板，上下底板可相对回转一定角度，实现进土口的开启与关闭，有效减少钻屑掉落，提高岩屑收集效率。部分型号配备压杆机构，以防止吸钻现象，并确保钻头提拉时顺利卸渣。根据适用地层的不同，双底捞沙斗分为嵌岩双底捞沙斗和土层双底捞沙斗。通过更换齿的类型，覆盖从松散土到中硬岩层的多种工况。

The drilling bucket is mainly designed for drilling operations. It uses the double-layer bottom plate structure, connected via a central suspension shaft. The upper and lower plates can rotate relative to each other to open or close the soil inlet, effectively reducing debris spillage and enhancing residue collection efficiency. Some models include features such as pressure rod mechanisms to prevent suction-induced jamming and ensure smooth residue discharge during bucket retrieval. According to the applicable strata, the drilling bucket is divided into the drilling bucket with rock drilling teeth and the drilling bucket with soil drilling teeth. The drilling bucket changes teeth, adapted to diverse strata, from loose soil to semi-hard rock.



产品名称：嵌岩双底捞沙斗

Product name: drilling bucket with rock drilling teeth

特征：配备截齿

Features: Installed round shank chisels

用途：砂卵石层、贝壳层、铁板砂、中强风化岩层等复杂地层

Application: sand and gravel, shell layer, ferro plate sand, moderately and highly weathered rock layer and other complicated formation.



产品名称：土层双底捞沙斗

Product name: drilling bucket with soil drilling teeth

特征：配备斗齿

Features: Installed flat teeth

用途：硬度小于 30Mpa 岩层，含水量高的砂土层、淤泥质亚黏土等松散地层

Application: hardness of rock < 30Mpa, sand layer with high water content, silt soil and other loose sand



CORE BARREL

筒钻

筒钻是一种中空圆柱形钻探工具，能够高效、完整地提取深层地质材料，同时减少对周围地层的扰动。它的主体为中空圆柱形结构，材质为高强度合金钢，具有耐磨、抗冲击的特性。底部安装有硬质合金齿，用于破碎岩石或土壤。筒体设计有透气孔，避免吸钻。筒体外侧规则分布耐磨条，保护筒体，增强使用寿命。

The core barrel is a hollow cylindrical drilling tool. Its design enables efficient and intact retrieval of deep geological materials while minimizing disturbance to surrounding strata. The main body is a hollow cylindrical, typically made of high-strength alloy steel so that the core barrel have wear resistance and impact durability. Hard alloy teeth are installed at the bottom to fracture rock or soil. The body has the air hole to prevent suction-induced jamming. Wear ribs are regularly distributed to prevent the body and increase the working life of core barrel.



产品名称：截齿筒钻

Product name: core barrel with round chisels

特征：配备截齿

Features: Installed round shank chisels

用途：中风化砂岩、泥岩等硬度小于 80Mpa 岩层，硬质永冻土层、漂石层等

Application : moderately weathered sandy rock、mud stone and other rock layer, hard permafrost layers、boulder layer



产品名称：牙轮筒钻

Product name: core barrel with roller bits

特征：配备牙轮

Features: Installed roller bits

用途：硬度高于 80MPa 硬岩岩层

Application : hardness of rock > 80MPa



螺旋钻是一种利用旋转的螺旋叶片进行钻孔的工具。中心管传递旋转动力。螺旋叶片是核心部件，通过旋转切削土壤，同时将碎屑向上输送。钻头前端为合金截齿，用于钻透地层。螺旋钻可高效连续作业，排渣能力强，适应性强可用于多种地层。同时结构简单，维护成本低。

Auger is a tool that uses rotating helical blades to bore holes. The hollow transmits rotational force. Flight is the core component that cuts and transports debris upward. Front-end cutting tool is made of hard holly to penetrate hard layers. Auger has the high efficiency with continuous debris removal. It is adaptable to various strata. It has simple structure and low manitenance.



产品名称：直螺

Product name: straight auger

特征：整体为圆柱形，直径一致，螺距均匀，叶片间距固定

Features: cylindrical、uniform diameter、 uniform pitch、 fixed blade spacing

用途：松散土、砂土、黏土等软质岩石

Application: loose soil、 sand、 clay



产品名称：锥螺

Product name: conical auger

特征：前端收窄成锥形、直径渐变、螺距从前向后增大，尖端尖锐

Features: tapered front、 gradually narrowing、 increasing pitch from front to back、 sharp tip

用途：硬土、风化岩等较硬地层，用锥螺开孔

Application: hard soil、 weathered rock、 conical auger for initial penetration

OPEN-TYPE BUCKET

体开钻

体开钻是一种常用钻孔工具。钻筒底部呈开放式结构，通过切削齿直接接触地层，能高效卸渣。齿板做成锥形设计，减少了钻进中的黏滑，提升了进齿效率。

Open-type bucket is a commonly used drilling tool. The drill barrel features an open-bottom structure that allows direct contact of the cutting teeth with the formation, enabling efficient cuttings discharge. The conical design of the blades reduces stick-slip during drilling operations and improves bit feed efficiency.



产品名称：体开钻

Product name: open-type bucket

特征：齿板为锥形

Features: the shape of teeth holder plate is cone

用途：泥岩、淤泥等黏性较高地层

Application: mudstone, silt and other slip-prone stratum



CUSTOMIZED DRILLING TOOLS

定制钻具

旋挖钻具的选用需要根据地质情况，不同的地质对旋挖钻具有不同的要求，有些地质还需要不同的钻具组合使用。为达到最佳的进齿效率，依据地质情况，钻头进行特殊定制。

The choice of drilling tools is based on geological conditions. Different conditions have the different request for the drilling tools. Sometimes we need combined tools for conditions. For optimum efficiency, the drilling tools need to be customized according to the geological conditions.



产品名称: 清孔钻

Product name: cleaning bucket

用途: 钻孔完成后清理沉渣和泥浆，确保桩基质量

Application: clean the sediment and drilling mud upon completion of the borehole to ensure the quality of the pile foundation



产品名称: 扩孔钻

Product name: boring bucket

用途: 钻孔过程中扩大孔径

Application: borehole enlargement during drilling operations



CUSTOMIZED DRILLING TOOLS

定制钻具



产品名称：取芯钻

Product name: core barrel with double shell

用途：拥有内外两个筒体，大径桩孔需要分级扩孔钻进使用，提高效率

Application: two bodies, big borehole need to drill and enlarge gradually, increase efficiency



产品名称：切面钻

Product name: section drilling bucket

用途：采用截面切削结构，适用于复合地层

Application: the structure of cross-section cutting, suitable for complex strata



产品名称：双底开口复合钻

Product name: open-type bucket with double bottom

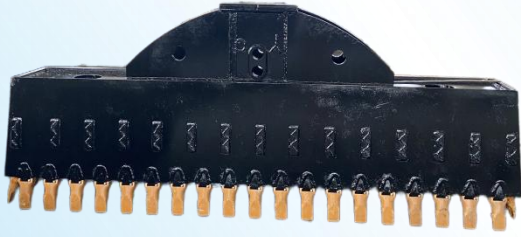
用途：采用双底和开口的结构，适用淤泥层，能提高进齿效率，避免卡钻问题

Application: the structure of double-bottom and open body, suitable for the silt layer, enhance the efficiency of drilling operations and avoid the blockage



CUSTOMIZED DRILLING TOOLS

定制钻具



产品名称：方钻

Product name: quadrate bucket

用途：形状为正方形，用于花岗岩等硬岩层，大直径的深孔工程，以及一些卵石层，破碎带等易卡钻地层

Application : square, suitable for the hard rock such as granite, deep hole engineering with major diameter, and the sticking layer such as pebble bed and crushed zone



产品名称：静音钻

Product name: silent bucket

用途：减少钻进作业中的噪音

Application: reduce the noise during the drilling operations



产品名称：破碎钻

Product name: core barrel with crossing cutter

用途：硬岩

Application: hard rock



CASING SERIES

套管

套管是桩基施工中的关键护壁装置，一般分为单壁套管和双壁套管，适用复杂地质条件。在松软土层、流沙层、破碎带或易坍塌的地层中，套管可以有效防止孔壁坍塌，保持钻孔稳定；在地下水位较高的地区，套管可以防止水涌入钻孔，确保钻孔作业的顺利进行；在深孔钻探中，套管可以提供额外的支撑，防止钻孔在深部地层发生变形或坍塌。

Casing is the key wall protection device during the pile foundation, divided into the single wall casing and the double wall casing, suitable for the complex geological conditions. In soft soil layers, quicksand layers, fractured zones, or easily collapsible strata, full casing can effectively prevent borehole wall collapse and maintain drilling stability; In areas with high groundwater levels, full casing can prevent water from flooding into the borehole, ensuring the smooth progress of drilling operations; In deep hole drilling, full casing can provide additional support to prevent deformation or collapse of the borehole in deep strata.

特点：采用高强度钢材，具备耐磨、抗压性能。分段式结构设计。

Features: High-strength steel with wear and pressure resistance, modular sections

用途：松散砂层、卵石层、回填土等易塌孔地层，高地下水位或承压水层

Application: loose sand, gravel, backfill and other collapsible layers, high groundwater tables or confined aquifers.



双壁套管节

Double wall casing section



单壁套管节

Single wall casing section



接头

Joint



CASING SERIES

套管



驱动器
Casing driver



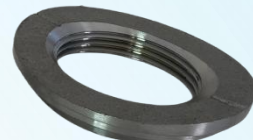
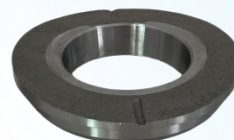
管靴
Casing shoes



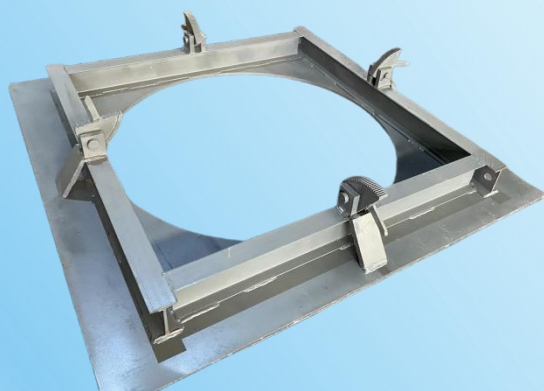
套管保护帽
Casing protection



摆管器
Casing adaptor



德标三件套
Three pieces sets



防掉架
Fixator



WS39



T40 teeth



STEEL CASING

钢护筒

钢护筒是旋挖施工中的关键辅助设备，主要用于保护钻孔结构、维持施工稳定性。在遇到地质松软或者泥流层而导致孔径坍塌时使用，稳定钻孔壁，防止钻孔坍塌，确保钻孔作业安全、顺利地进行。

Steel casing is a critical auxiliary equipment in rotary drilling operations, primarily used to protect borehole structures and maintain construction stability. When encountering soft geology or mudflow layers that cause borehole collapse, steel casing is used to stabilize the borehole wall, prevent borehole collapse, and ensure the safe and smooth progress of drilling operation.



产品名称：钢护筒

Product name: steel casing

特点：采用 Q355B 钢板，屈服强度达到 355MPa。直径大小与护筒壁厚根据客户要求定制。

Features: made of Q355B steel plates with yield strengths of 355MPa, the diameter and wall thickness are based on the request of the customer

用途：流沙层、淤泥层、软石层以及高水位区

Application: quicksand layer, silt, gravel and high water table



DRILLING TEETH

钻齿



名称: 标配齿
Name: standard teeth
用途: 土层
Application: soil



3055-10T22
用途: 砂岩、红砂岩
Application: sandstone、red sandstone



名称: 加长齿 19T
Name: Lengthen 19 teeth
用途: 泥岩
Application: mudstone



T3055-22
用途: 硬土层
Application: hard soil layer



名称: 3055-12k22(合金豆)
Name: 3055-12k22(alloy bean)
用途: 砂岩、红砂岩
Application: sandstone、red sandstone



19T
用途: 土层
Application: soil layer



名称: 3060-12k24(合金豆)
Name: 3060-12k24(alloy bean)
用途: 砂岩、红砂岩
Application: sandstone、red sandstone



3060-26
用途: 硬岩
Application: hard rock



3060-30
用途: 硬岩
Application: hard rock



DRILLING TEETH

钻齿

			
名称: 80 宝娥齿 Name: 80 flat teeth	名称: 齿座 Name: holder	名称: 72 宝娥齿 Name: 72 flat teeth	名称: 齿座 Name: holder
用途: 红砂岩、泥岩 Application: red sandstone、mudstone		用途: 红砂岩、泥岩 Application: red sandstone、mudstone	
			
名称: V20 斗齿 Name: V20 flat teeth	名称: 齿根 Name: root	名称: 焊接牙轮 Name: weld type roller bits	
用途: 纯土层 Application: pure soil layer		用途: 超硬花岗岩 Application: super hard granite	
		名称: 可拆卸牙轮 Name: replaceable type roller bits 用途: 超硬花岗岩 Application: super hard granite	

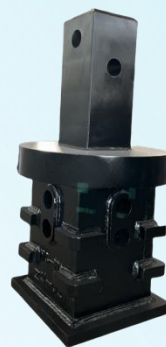




圆座
Holder



合金圆座
Alloy Holder



变径头
Cross-over Sub



弹簧
Spring



方头销子
Pin



方头
Square head



倒土神器
Soil Ejection Attachment



扩孔器
Hole Opener



打捞神器
Fishing Tool

CONSTRUCTION CASES

施工案例



地点：新加坡

Location: Singapore

桩径：3000mm

Pile-diameter: 3m

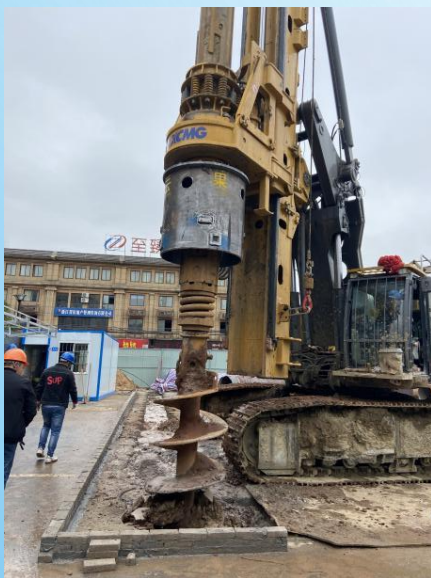


地点：浙江衢州

Location: Zhejiang Quzhou

桩径：800mm

Pile-diameter: 0.8m



地点：江苏无锡

Location: Jiangsu Wuxi

桩径：750mm

Pile-diameter: 0.75m



地点：马来西亚

Location: Malaysia

桩径：1400mm

Pile-diameter: 1.4m



地点：北京

Location: Beijing

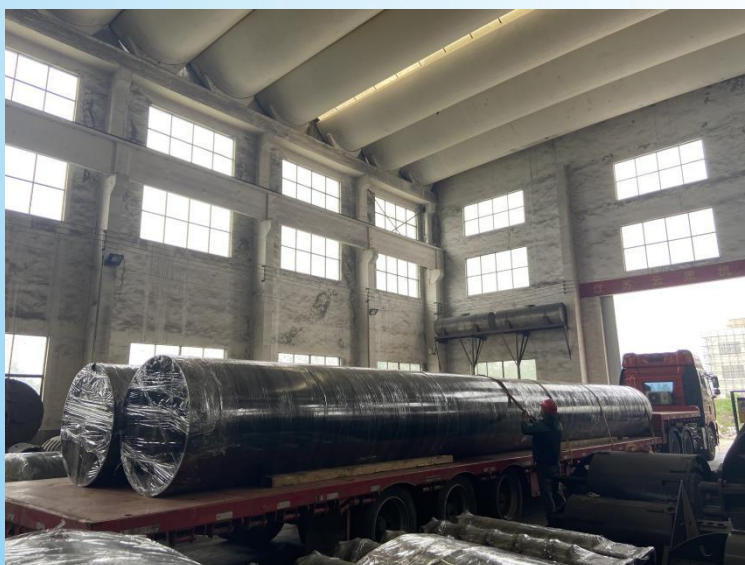
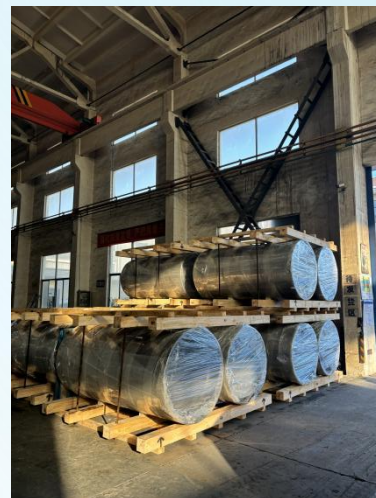
桩径：1300mm

Pile-diameter: 1.3m



PACKAGE AND DELIVERY

产品包装和发货





巴基斯坦客户来厂参观考察，与技术员进行更深一步的产品交流探讨，针对客户所遇难题，提供解决方案。

The Pakistani customer visited the company , communicating with the technician who provided the solutions to deal with the problem that the customer had.



阿尔及利亚客户来厂，进一步了解车间生产、质检等流程，对产品关键参数进行探讨，提出自身对产品的要求。在此基础上，技术员进行图纸规划。而客户也进一步提出自身采购意愿，确立相关合作。

The Algerian customer visits the company, further understanding the processes of the production and quality inspection. The customer discussed the key parameter with the technician and put forward the request. According to the request, the technician drew the sketch. Furthermore, the customer present the aspiration of the purchase, establishing the cooperation.

CUSTOMER VISIT

客户来访



美国客户来厂，对车间生产情况进行考察，关于生产工艺等方面进行细致了解。并对旋挖领域的发展方向进行探讨。提出进一步加深合作倾向，树立更深的供应伙伴关系。

The American customer visited the company, inspected the situation of the production and understood the technology. And he explored the development of the deep foundation in the future. What's more, we strengthened the cooperation, further establishing the partnership.



新客户来厂了解车间生产情况。根据客户要求，依照打桩需要，技术员设计图纸。生产套管完美解决客户难题，赢得客户信赖。

The new customer visited the company to know more about the situation. According to the request of the customer, the technician drew the graph on the basis of the foundation. The casing that we produced figured out the problem and won the trust of the customer.



在整个过程中，除了产品的质量，我们也注重提供舒心的服务。我们重视每一位客户的反馈，始终为客户的需求而不断进步。我们的销售团队具备完善的产品知识、沟通技巧，在客户选择钻具之前，我们会根据他所遇地形情况，为他提供最具性价比的参考。同时，我们会定期回访了解产品使用情况，对于客户在使用产品过程中遇到的难题会提供完美的解决方案。

During the whole process , apart from the quality, we also pay attention to the service. We attach great importance to the feedback of every customer, making unceasing progress for the need of the customer. Our group of sales have the complete knowledge of the product and the communication skills. Before the choice of the customer, we will provide the reference with the lowest cost and high quality. Meanwhile ,we will visit customers periodically to know more the usage of the product. And we can offer the perfect solutions to the customer who have the problem during the operations.



业务员技术人员前往工地，测量数据。

The sales and technician went to the scene, measuring the data.



业务员前往工地，了解套管使用情况。

The sales went to the scene and got the information of the casing.

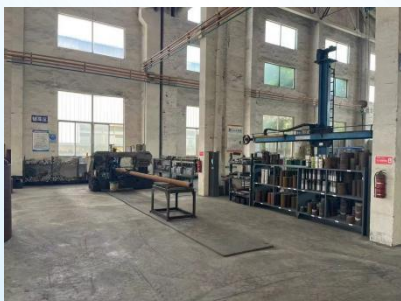


业务员前往工地，解决售后问题。

The sales went to the scene in order to solve the after-sale problem.

COMPANY AREA

公司一角



CERTIFICATION

证书





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