

Founded in 1939



天津探矿机械总厂  
TIANJIN EXPLORATION MACHINE GENERAL FACTORY

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天津探矿机械总厂  
TIANJIN EXPLORATION MACHINE GENERAL FACTORY

# 和谐智博 再创辉煌

Harmonious Competition and Create Another Brilliance

天津探矿机械总厂是生产水文水井钻机和岩土工程钻机的重点企业，1939年建厂，1956年开始生产地质机械，至今已有70多年历史，产品行销国内外近一万台套。我厂原隶属国家地质矿产部，现归属天津百利机电控股集团有限公司，为国有中型一档规模，注册资金1421万元。厂区占地面积39232平方米（59亩），建筑面积：15211平方米，拥有设备242台，其中大型设备28台，企业现有职工304人，其中技术人员86人，约占职工总数的30%，设备精良，技术力量雄厚。

企业具有自己的产品设计能力，技术开发部主持产品的研制开发，并实行主任工程师制，设有机加工、总装、结构件、轴承四个车间，可完成金属切削、齿轮加工、铆焊、装配等工序，基本建立了生产、营销、市场开拓、技术开发、财务成本控制等多功能的管理体系，实行了面向市场的全过程管理。其主要产品水文水井钻机和岩土施工钻机两大类十几个品种，注册商标为“TT”牌，生产各种汽车装载、拖车装载及散装水文水井钻机、工程施工钻机、长、短螺旋钻机、地质专用泥浆泵、卷扬机、粉喷钻机、农用钻机及各种钻探工具。产品性能可靠、结构新颖、操作简便、产品行销全国20多个省市、自治区。并有大量钻机在国内外使用。近几年来，产品先后通过ISO9001质量管理体系认证、军工质量管理体系认证，为产品的质量提供了可靠的保证。天津探矿机械总厂热忱欢迎国内外客商来我厂参观指导。

Founded in 1939, Tianjin Exploration Machinery General Works (TEMGW) is a key enterprise specializing in manufacturing hydrogeological well drilling rig and geotechnical engineering drilling rig. It started manufacturing geological machinery since 1956. It has a history of 70 years until now and has sold 10 thousands sets at home and abroad. It was originally owned by Ministry of State Geology and Mineral Resources, now it is a medium-sized state owned enterprise with a registered capital of RMB 14.21 million, owned by Tianjin BENEFO Machinery & Electric Holding Group Ltd. Its area is 39,232 m<sup>2</sup> (59 mu) and the building area is 15,211 m<sup>2</sup>. There are 242 sets of equipment, including 28 sets of large ones. There are 304 workers, including 86 technicians, 30% of total workers. The equipment is excellent and the technology is powerful.

TEMGW has its own design team. The technology development department is in charge of research and development, and it practices chief engineer system. There are four workshops—machinery processing workshop, final assembly workshop, structure parts workshop and bearing workshop, they can do the processes as metal cutting, gear processing, riveting and welding, assembling, etc. the factory has basically established a multi-functional management system, including manufacturing, marketing, market development, technology development, financial cost control, etc and implements a complete market-oriented management system. The products are mainly categorized into two series—hydrogeological well drilling rig and geotechnical engineering drilling rig, totally 10 kinds. The registered brand is “TT”, manufacturing various vehicle loading, trailer loading and independent hydrogeological well drilling rigs and geotechnical engineering drilling rigs, long & short spiral drill rigs, special geological mud pumps, winches, jet drills, agricultural drill rigs and other boring tools. These products are reliable in performance, innovative in design, simple in operation. The products have been sold to over 20 provinces and municipal cities in China and a great number of products have been used at both home and abroad. In recent years, the products have passed ISO9001 quality management system certification, military quality management system certification, and provide a reliable guarantee for the product quality. We warmly welcomes clients from home and abroad to visit the factory and we will appreciate your instructions very much.





## 成就辉煌 回报社会

Achieve Brilliant Success and  
Return Society

天探企业自成立以来，跨越半个世纪的风雨兼程，经历了几代人的不懈努力和奋斗，在取得辉煌成就的同时，实现了服务社会、回报社会的企业愿望。

从祖国的边疆哨所到一望无际的戈壁滩；从遥远的地中海岸到炎热的非洲大陆都能看到天探钻机的身影。无论在抢险地区，还是在矿难现场，天探钻机都能发挥着重要作用。40年来，“天探”的钻井设备一直工作在地质勘查打井抗旱、矿难救护、抢险救灾的第一线，为全国抗旱、国防边陲做出了卓越的贡献，获得了社会各界的一致好评。

Since its establishment, it has undergone half a century of trials and hardships, has gone through several generations of unremitting efforts and struggle. At the moment it gets brilliant achievements, it realizes its dream to serve the community and return the community.

TT rigs appear everywhere from frontier post to distant Gobi desert and from distant Mediterranean to hot African continent. TT rigs play an important role at disaster areas and the mine site. Over past 40 years, TT rigs and equipment have been working in exploration drilling wells, drought struggle, mine rescue, emergency rescue and disaster relief. It makes outstanding contributions to national drought and national defense frontier, and it receives great social praises.



厂领导陪同国土资源部部长徐绍史、湖南省省长徐守盛等领导参观全国首届地质钻探职业技能大赛比赛现场

Visit the competition site of "Finals for the 1st National Competition of Professional Skills in Geological Prospecting and Drilling Unveiled" with Xu Shaoshi, Minister of Ministry of Land and Resources and Xu Shousheng, Governor of Hu'Nan Province



胡主席亲临西部少数民族地区视察兰州军区给水团使用我厂钻机打出的优质水井  
President Hu visits the western minority areas to inspect high-quality wells drilled by water supply corporation, Lanzhou Military Region



胡主席与使用我厂钻机的部队官兵合影留念  
President Hu poses for a photo with officer and soldier of use our drilling rig.



云南抗旱现场  
Yunnan droughtstruggle spot





我厂主打产品SPC-600型车载水井钻机在南美洲玻利维亚高原上进行钻井施工，打出了优质的水井，为当地人民解决饮水困难问题，获得了当地人民的称赞。

The flagship product SPC-600 vehicle-mounted well rig drill works out a high-quality well in Bolivian plateau of South America, which solves the drinking water problems and is greatly praised by local citizens.

## 以质立信 品行天下

Quality supports credibility and quality conquers world

探索不止，创新不断，天探钻机经过70多年的积累与沉淀，通过树立拓展钻机行业的品牌和服务意识，出优质产品，做优秀企业。迄今为止，天探钻机已行销国内外近一万台，为世界三十多个国家和地区解决水资源供应问题做出了贡献。

传承历史，展望未来。天探企业的发展始终坚持对崇高价值的追求，天探人始终把客户的需求放在首位，立足国内，辐射国外，强大的营销网络向未来市场无限延伸。

With over 70 years' constant exploration and innovation, TT purposes to offer excellent products and does great enterprises by establishing its brand and services. So far, TT has sold nearly 10 thousands of rigs to both home and abroad, made great contributions in solving water supply problems for more than 30 countries and regions in the world.

TT heritates the past and looks for the future. Its exploration development always adheres to pursue the noble values; it always tops the clients' demands, gains a foothold in China and serves the whole world; its strong marketing network will infinitely extend to the future market.

我厂第二批援助玻利维亚的钻井设备在恰拉路上  
2<sup>nd</sup> batch of drilling equipment which aids Bolivia is on the way to port



我厂的售后服务工程师在玻利维亚培训当地的施工队  
Our after-service engineers train local construction team in Bolivia



我厂钻机在非洲马里为当地人民钻井取水  
our rig is digging wells for local citizens in Mali, Africa

我厂售后服务工程师在非洲培训当地施工队伍  
Our after-service engineers train local construction team in Africa



苏丹政府官员  
祝贺我国维和部队首钻成功  
Sudanese government officials  
congratulate the success of first drill  
for China's peacekeeping force

## 天探品质 行业标准

TT Quality Industry Standard

缔造钻机专业化、现代化、迈向钻探装备全球化、国际化。这是天探永不停止的目标！“和谐智博，创新攀高”是天探前进的源动力。以人为本，以客户尊，精诚服务于广大钻机用户，让用户直接感受到天探钻机的优良品质、周到的服务，在天探钻机的背后，是一支团结进取、勇于挑战、充满活力与朝气的研发、生产、营销、服务团队，凭借着先进、专业的生产与检测手段，依托现代企业的管理模式，完善的配套服务，严格的质量体系认证，令天探钻机在同行业中遥遥领先。

2011年由国土资源部举办的第一届全国地质钻探职业技能大赛中选用了“天探”车载钻机做为唯一的比赛用机，充分显示了天探钻机出众的品质。

TT's never-ending target is to create professional and modern rigs, and makes the drilling equipment globalized and internationalized. TT is driven by the forces of "harmonious competition and innovative success". It respects all clients and sincerely serves the rig users, so that the users could directly feel its excellent quality and considerate service. A team of united, challengeable, vitality and spiritual workers research, manufacture, market and offer services for the factory. TT rigs top the whole industry with the help of its advanced and professional manufacturing and testing methods, as well as relying on modern enterprise management mode, perfect services, and strict quality system certification.

In 2011, Finals for the 1st National Competition of Professional Skills in Geological Prospecting and Drilling Unveiled by Ministry of Land and Resources selected TT vehicle-mounted rig as the only machine for competition, which fully showed the superior quality of TT rigs.

天探钻机在2011年8月23日，七台河矿难中成功解救被困矿工  
Our rigs successfully rescue the trapped miners from Qitaihe mine disaster in August 23, 2011.



天山脚下打井  
Drill the well at foot of Tianshan



奔赴新疆戈壁边防钻井  
Drill in Xinjiang Gobi frontier defense



为边防哨所钻井  
drill the well for the border post



我厂研制的SDC-1000型全液压车载式动力头钻机在河北省易县试钻，并获得圆满成功。

The developed SDC-1000 vehicle-mounted all-hydraulic driving drill rig was tested in Yi County, Hebei Province, and it was a complete and great success.



该钻机以转盘回转泥浆正循环为主要钻进方式，钻进适应性强，可在粘土、砂层、卵石层、砾石层及基岩等多种地层中钻进。若配备适当机具，可进行其它工艺方法的钻探。

该钻机的主传动方式为机械传动，操作机构为液压、机械混合操作。其特点是：机动性能好、整体性强、操作简便、传动可靠、用途广泛、效率高。

Its main drilling process is rotary plate and slur

ry's Positive cycle. It is of strong adaptability, could drill in clay, sand, gravel and pebble, float stone stratum and bedrock. If with proper tools, it can be used for other drilling technologies.

The main transmission is a mechanical one and the control mechanism is hydraulic-mechanical. It is featured with: good mobility, high integrity, convenient in operation, reliable transmission, wide application and high efficiency.

### SPC-300D型水文水井钻机 SPC-300D WATER WELL DRILLING RIG

SPC-300D型水文水井钻机是一种车装回转钻机。其主要部件均装在“东风天龙”6×4汽车上，单置柴油机做钻机动。该钻机适用于在第四纪地层和基岩中钻凿水井或工程孔。

该钻机以泥浆正循环为主要钻进方式，配备适当装置，可实现反循环钻进，空气潜孔锤钻进。钻机的主传动方式为机械传动，操作机构为液压、机械混合操作。该钻机具有下列优点：结构紧凑、运输方便、传动可靠、操纵简便、效率高。

It is a vehicle-mounted rotary one. Its main

components are installed on chassis of Dongfeng Tianlong Brand 6×4 vehicle. The diesel engine works as the only driving force. It is suitable for drilling water wells or construction holes on the Quaternary stratigraphy and the bedrock.

The slurry's Positive cycle is its main drilling process. It is equipped with proper auxiliary devices, so that it can also drill in a reversed manner and DTH hammer could work in it, too. The main transmission is a mechanical one and the control mechanism is hydraulic-mechanical. It is with the following advantages: compact structure, convenient in transportation, reliable transmission, easy operation and high efficiency.

### SPC-300ST型水文水井钻机 SPC-300ST WATER WELL DRILLING RIG

SPC-300ST型水文水井钻机是一种车装回转钻机。其钻机底盘选用“STEYR”全驱式汽车底盘，越野性能好，可在恶劣路石地面上行驶。钻机动力配有独立的柴油机，提高了钻机的动力性能。

该钻机以转盘回转泥浆正循环为主要钻进方式，钻进适应性强，可在粘土、砂层、卵石层、砾石层及基岩等多种地层中钻进。若配备适当机具，可进行其它工艺方法的钻探。

该钻机的主传动方式为机械传动，操作机构为液压、机械混合操作。其特点是：机动性能好、整体性强、操作简便、传动可靠、用途广泛、效率高。

It is a vehicle-mounted rotary one. It is installed "STEYR" full-wheel automobile chassis as its driving force. It is good at running on off-highways and can run on rock roads. It is equipped with separated diesel engine which helps enhance the rig's driving characteristics.

Its main drilling process is rotary plate and slurry's Positive cycle. It is of strong adaptability, could drill in clay, sand, gravel and pebble, float stone stratum and bedrock. If with proper tools, it can be used for other drilling technologies.

The main transmission is a mechanical one and the control mechanism is hydraulic-mechanical. It is featured with: good mobility, high integrity, convenient in operation, reliable transmission, wide application and high efficiency.

SPC-300ST型  
水文水井钻机  
SPC-300ST WATER  
WELL DRILLING RIG



### SPC-300HW型水文水井钻机 SPC-300HW WATER WELL DRILLING RIG

SPC-300HW型水文水井钻机是一种车装回转钻机。其钻机底盘选用“HOWO”6×6全驱式汽车底盘，越野性能好，可在恶劣路石地面上行驶。钻机动力配有独立的柴油机，提高了钻机的动力性能。

It is a vehicle-mounted rotary one. It is installed "HOWO" 6×6 full-wheel automobile chassis as its driving force. It is good at running on off highways and can run on rock roads. It is equipped with separated diesel engine which helps enhance the rig's driving characteristics.

SPC-300D型  
水文水井钻机  
SPC-300D WATER  
WELL DRILLING RIG







YZC-500型 车载岩芯钻机  
YZC-500VEHICLE-MOUNTED ROCK CORE DRILLING RIG

### YZC-500型车载岩芯钻机

#### YZC-500 VEHICLE-MOUNTED CORE DRILLING RIG

YZC-500型车载岩芯钻机是我厂研发的新产品，该产品以XY-44岩芯钻机为主机，钻机的所有部件均装在“豪沃”牌载重汽车上。该钻机以泥浆钻进为主要钻进方式，配备相应装置，可实现空气等钻进方式。

It is our newly product. XY-44 core drilling rig is its main part and all the components are installed on "HOWO" truck. The slurry drilling is its main drilling manner and if equipped with proper drilling tools, it can do air drilling, etc.

本钻机可用于金属、非金属固体矿床勘探的金刚石小口径钻进，亦可用于大口徑合金钻进，可进行水文、水井、油气田的勘探及工程孔的施工。

It can be applied for small-diameter adam-

### SPC-400型水井钻机

#### SPC-400 WATER WELL DRILLING RIG

SPC-400型水井钻机是一种车载回转钻机。其主要部件均装在载重汽车上，钻机的主传动为机械传动，其操纵机构的一部分为液压操作，另一部分为机械操作。

钻机以转盘回转钻进为主，适应性较强，可在粘土、砂层、砾石层、石层及基岩等多种地层中钻进。回转钻进时可采用泥浆作为冲洗液，实现正循环钻进；另配双壁钻可以实现气举反循环钻进；另配潜孔锤钻具、空压机及增加转盘减速器，可以实现潜孔锤钻进；另配泡沫泵可以实现泡沫钻进；另配短螺旋钻具可以实现短螺旋钻进。开孔初期可用加压机构给钻具加压，实现加压钻进，以提高浅孔钻进效率，随着孔深的增加，当钻具重量超过需要加给钻具的压力时，可实行减压钻进。

回转钻进开孔初期可以辅助加压钻进，以提高成孔钻进效率，随着孔深的增加，当钻具重量超过需要加给钻具的压力时，可实现减压钻进。

钻机配备有一个主卷扬机、一个工具卷扬机。主卷扬机用于升降钻具、下井管，减压钻进。工具卷扬机主要用于提升移动单个立根，也可用来提吊其他工具等，以减轻体力劳动。

钻机配备四个调平液压千斤顶，可减轻劳动强度，提高安装效率。

tine drilling on metal, solid non-metal mineral deposit, and can be also applied for large-diameter alloy drilling. It is mainly used for hydrogeology and well drilling, oil & gas field exploration and construction holes.

SPC-400 well drilling rig is a kind of vehicle-mounted rotary drilling rig. Its main parts are mounted on the truck, its main drive is mechanical one, part of its controller is hydraulically operated and the other part is mechanically operated.

The rig is good at turntable, rotary and drilling. It could adapt to different conditions, could drill various strata, such as clay, sand, gravel, rock and so on. When drill in rotary manner, the mud could be used as washing fluid and realize positive circulation drilling; with the help of double-wall drill, it could do gas-lifted reversal circulation drill; with the help of DTH drill, air compressor and turntable reducer, it could do DTH drilling; with the help of short spiral drilling tools, it could do the short helical drilling. At initial stage of drilling, the pressuring machine could be used to pressure the drills, do the pressurized drilling, so as to improve the drilling efficiency of shallow hole; with the deepening of the hole, when the weight of drill

exceeds the pressures it needs, it can reduce the pressures. At initial stage of drilling, the rotary drill could drill with assisted pressure, in order to increase the drilling efficiency. With the deepening of the hole, when the weight of drill exceeds the pressures it needs, it can reduce the pressures. The rig is equipped with a main hoist and a tool hoist. The main hoist is used to lift the drill, lay the tube and reduce the pressure. The tool hoist is mainly used to lift and move the single part, lift other tools, in order to reduce manual labor.

The rig is equipped with four leveling hydraulic jacks, which helps reduce labor intensity and improve installation efficiency.

SPC-400型水井钻机  
SPC-400 WATER WELL DRILLING RIG







SPC-600HW型水文水井钻机  
SPC-600HW WATER WELL DRILLING RIG

## SPC-600HW型

### 水文水井钻机

SPC-600HW

WATER WELL DRILLING RIG

SPC-600HW型系列水文水井钻机是车装回转钻机，以转盘回转泥浆正循环为主要钻进方式。若配备适当钻探机具，可进行其它钻探工艺方法。可在粘土层、砂土层、基岩等多种地层钻进。

该钻机主要用于水文、水井、煤田及各种矿藏勘探、地下坑道、通风孔等工程施工。

钻机底盘选用“HOWO”6×6汽车底盘，十轮全驱动，越野性能好，可在恶劣路面行驶。

为了进一步扩大产品的使用范围，在原有的低速、大扭矩转盘基础上，可根据用户需要增加一套高速小转盘装置，可进行小口径金刚石钻进施工。

该钻机整体结构紧凑，操作集中，并配有大压力、大流量泥浆泵。该钻机配置加、减机构，可实现加、减压钻进，提高钻进效率。

It is a vehicle-mounted rotary one and the swing movement and slurry's Positive cycle are the

main working method. If equipped with proper drilling tools, it can be used for other drilling explorations. It can drill in clay, stone, bedrock, etc. It is mainly used for hydrogeology and well drilling.

It is mainly used for hydrogeology and well drilling, coal mining, mine exploration, underground tunnels, ventilation holes and etc.

It is installed with "HOWO" 6×6 chassis as its driving force and the chassis is 10 full-wheel driving. It is good at running on off-highways and can run on bad roads.

In order to enlarge the service scope, it could install another high-speed small rotary swing plate based on large drift diameter, so that it can work with small-diameter adamantite drill.

It is compact in structure, centralized in control and equipped with high pressure & high volumelurry pump. Its pressurization mechanism could increase the drilling efficiency by increasing and decreasing the pressure.



## SPC-600ST型

### 水文水井钻机

SPC-600ST

WATER WELL DRILLING RIG

SPC-600ST 型系列水文水井钻机是车装回转钻机，以转盘回转泥浆正循环为主要钻进方式。若配备适当钻探机具，可进行其它钻探工艺方法。可在粘土层、砂土层、基岩等多种地层钻进。该钻机主要用于水文地质、钻凿水井。亦可进行地下坑道、通风孔等工程施工。

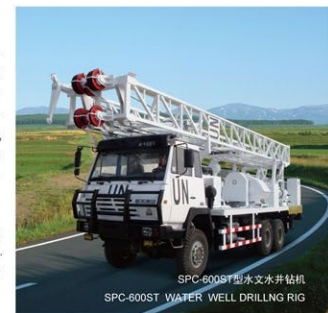
钻机底盘选用“STEYR”汽车底盘，该底盘采用十轮全驱动，越野性能好，可在恶劣路面行驶。

钻机整体结构紧凑，操作集中，并配有大压力、大流量泥浆泵。该钻机配置加、减压机构，用可实现加、减压钻进，提高钻进效率。

It is a vehicle-mounted rotary one and the swing movement and slurry's Positive cycle are the main working method. If equipped with proper drilling tools, it can be used for other drilling explorations. It can drill in clay, stone, bedrock, etc. It is mainly used for hydrogeology and well drilling. It can be also used for underground tunnels, ventilation holes and etc.

It is installed "STEYR" chassis as its driving force and the chassis is 10 full-wheel driving. It is good at running on off-highways and can run on rock roads.

It is compact in structure, centralized in control and equipped with high pressure & high volume slurry pump. Its pressurization mechanism could increase the drilling efficiency by increasing and decreasing the pressure.



SPC-600ST型水文水井钻机  
SPC-600ST WATER WELL DRILLING RIG



SPC-600HW型  
水文水井钻机  
SPC-600HW WATER  
WELL DRILLING RIG





SDC-1000水文水井钻机  
SDC-1000 WATER WELL DRILLING RIG

## SDC-1000水文水井钻机

SDC-1000 WATER WELL DRILLING RIG

SDC-1000型全液压车装钻机是天津探矿机械总厂研制的用于大口径水井、煤层气抽采井、浅层油气井等深度不超过1000米的钻井施工设备。采用汽车柴油机动力，全液压驱动方式，动力头设计最大提升力465kN，加压力170kN，采用全液压操纵形式，拧卸扣、吊装钻具采用液压控制，减少工人的劳动强度并增加工作效率。可以采用27/8"、31/2"、41/2"、5"双壁钻杆等多种钻杆进行钻进，适应性强。底盘采用8×4驱动形式；动力机组采用欧三标准柴油机和法士特变速箱及分动箱；设有双卷扬机，方便辅助作业。

It is made by TEMGW for large-diameter well, CBM well, shallow oil and gas well whose depth is less than 1,000 meter. The automobile diesel engine works as its power and driven by full hydraulic force. The maximal lifting

force of driving head is 465kN and the maximal pressure is 170kN. It applies full-hydraulic control method. To screw & unscrew the shackles and lift the drilling tools are all hydraulically controlled, which helps reduce labor intensity and increase work efficiency. It is of high adaptability and can work with 27/8", 31/2", 41/2" and 5" double-wall drilling pipes.

The chassis is driven by 8×4 type; the diesel engine is European II



standard, fast auto gearbox and auxiliary box; it is designed with double hoist, which is convenient for operation.



## SPC-1000水文水井钻机

SPC-1000 WATER WELL DRILLING RIG

SPC-1000水文水井钻机是车装回转钻进钻机。所有部件均装HOWO 8×4底盘上，钻机的主传动为机械传动；操纵机构中大部分为液压操纵，其余是机械操纵。

钻机以转盘回转——泥浆正循环钻进为主要钻探方式；如配备适当钻探工具，也可适应其它钻探工艺方法，可在粘土、砂层、基岩等多种地层中钻进。开孔初期可用加压机构给钻具加压，实现加压钻进，以提高浅孔钻进效率。随着孔深的增加，当钻具重量超过需要加给钻具的压力时，可实行减压钻进。

钻机配有一个液压主卷扬机、一个工具卷扬机。液压主卷扬机用于升降钻具、下井管等。工具卷扬机主要用于提升移动单个立根，也可用来提吊其他工具等，以减轻体力劳动。

It is a vehicle-mounted rotary rig. All the components are installed on HOWO 8×4 chassis. The main transmission force is mechanically controlled; the main control is hydraulic and the other is mechanical.

The swing movement-slurry's Positive cycle is its main drilling manner; if equipped with proper drilling tools, it can be used for other drilling technologies. At initial stage of drilling, the pressuring machine could be used to pressurize the drills, do the pressurized drilling, so as to improve the drilling efficiency of shallow hole; with the deepening of the hole, when the weight of drill exceeds the pressures it needs, it can reduce the pressures.

The rig is equipped with a main hoist and a tool hoist. The main hoist is used to lift the drill, lay the tube and reduce the pressure. The tool hoist is mainly used to lift and move the single part, lift other tools, in order to reduce manual labor.



SPC-1000水文水井钻机  
SPC-1000 WATER WELL DRILLING RIG



### SPT-450型拖车式水井钻机

SPT-450 TRAILER WATER WELL DRILLING RIG

SPT-450型拖车式水井钻机为半挂拖车式，以机械传动为主，部分液压操纵。转盘回转，泥浆正确循环钻进的水井钻机。

It is a semitrailer one. It is mainly mechanically driven and partly hydraulically controlled. It is a swing movement and slurry's Positive cycle one.



SPT-300型拖车式水井钻机  
SPT-300 TRAILER WATER WELL DRILLING RIG

机上配备双主卷扬机和泥浆泵，钻架为整体式，液压起降，整机具有搬迁方便，机械化程度高等特点。钻机动力可采用柴油机或电动机为动力。

该机适用于水文地质勘察、钻凿水井、地下坑道、通风孔及工程建筑孔。可在粘土、沙土层、基岩等多种地层钻进成孔，并普遍应用于冶金、地质、石油、煤矿、水利、林业、部队、建材等领域。

It is suitable for hydrology and geology exploration, water well drilling, underground It is equipped with double hoists and slurry-

### SPT-600型拖车式水井钻机

SPT-600 TRAILER WATER WELL DRILLING RIG

SPT-600型钻机为半挂拖车式水井钻机，以转盘回转泥浆正循环为主要钻进方式。若配备适当钻探机具，可进行其它钻探工艺方法。可在粘土层、砂土层、基岩等多种地层钻进。该钻机主要用于水文地质、钻凿水井。亦可进行地下坑道、通风孔等工程施工。

钻机整体结构紧凑，操作集中，并配有大压力、大流量泥浆泵。该钻机配置加、减亚机构，用可实现加、减压钻进，提高钻进效率。

It is a trailer mounted water well drilling rig and the swing movement and slurry's Positive

### SPC-600HW型

### 车载多功能修井机

SPC-600HW MULTI-FUNCTIONAL TRUCK MOUNTED WELL SERVICING RIG

SPC-600HW型车载多功能修井机是一种车载修井、钻井多功能钻机。设备底盘选用“豪沃”牌6×6全驱汽车底盘。可进行水井、浅井油层钻井作业或进行浅层油井小修、试油等作业工作。

It is a multi-functional vehicle-mounted rig for well maintenance and well drilling. The chassis selects "HOWO" 6×6 full-wheel driving chassis. It can be applied for water well, shallow oil well, or minor maintenance for oil well, oil test, etc.

pump. The rig is integrally framed, lifted by hydro-pressure. It is featured with convenient movement and highly mechanical operation. The driving force could be diesel engine or electrical generator.

It is suitable for hydrology and geology exploration, water well drilling, underground tunnel, ventilation holes and construction holes. It can drill holes on clay, sand, bedrock, etc. it is widely used in fields of metallurgy, geology, oil exploration, coal mining, water conservancy, forest, army troop and construction material, etc.

cycle are the main working method. If equipped with proper drilling tools, it can be used for other drilling explorations. It can drill in clay, stone, bedrock, etc. It is mainly used for hydrogeology and well drilling. It can be also used for underground tunnels, ventilation holes and etc.



It is compact in structure, centralized in control and equipped with high pressure & high volume slurry pump. Its pressurization mechanism could increase the drilling efficiency by increasing and decreasing the pressure.

SPC-600HW型  
车载多功能修井机  
SPC-600HW MULTI-  
FUNCTIONAL TRUCK  
MOUNTED WELL  
SERVICING RIG







规格型号/Specification SPC-300D  
 钻井深度(m)/Drilling depth 300 m  
 通孔直径(mm)/Drill hole diameter  
 Φ505 mm  
 外形尺寸(mm)/Dimensions  
 10850\*2470\*3870  
 重量(T)/Weight 14T  
 主动钻杆/Driving drill rod  
 108\*108\*7500mm  
 主卷扬单绳拉力/ Main hoist single  
 cable tension 30kN  
 转盘转速/Rotation speeds of rotary table  
 正/Normal 52, 78, 123rpm.  
 反/Reverse 40rpm.  
 泥浆泵/Slurry pump  
 BW/900/25(BW/600/30)



规格型号/Specification SPC-300ST/HW  
 钻井深度(m)/Drilling depth 300 m  
 通孔直径(mm)/Drill hole diameter  
 Φ505 mm  
 外形尺寸(mm)/Dimensions  
 10880\*2500\*4100  
 重量(T)/Weight 21T  
 主动钻杆/Driving drill rod  
 108\*108\*7500mm  
 主卷扬单绳拉力/ Main hoist single  
 cable tension 30kN  
 转盘转速/Rotation speeds of rotary table  
 正/Normal 52, 78, 123rpm.  
 反/Reverse 40rpm.  
 动力/Power  
 Model F6L912 .74kW/2300rpm.  
 Model 6135AN :100kW/1500rpm.  
 泥浆泵/Slurry pump  
 BW/900/25(BW/600/30)



规格型号/Specification SPC-400HW  
 钻井深度(m)/Drilling depth 400 m  
 通孔直径(mm)/Drill hole diameter  
 Φ505 mm  
 外形尺寸(mm)/Dimensions  
 11720\*2500\*3950  
 重量(T)/Weight 23T  
 主动钻杆/Driving drill rod  
 108\*108\*7500mm  
 主卷扬单绳拉力/ Main hoist single  
 cable tension 35kN  
 转盘转速/Rotation speeds of rotary table  
 正/Normal 52, 78, 123rpm.  
 反/Reverse 40rpm.  
 动力(柴油机) /Power source  
 Model BF6L913C55 :118kW/2500rpm.  
 泥浆泵/Slurry pump  
 BW600/30



规格型号/Specification SPT-300  
 钻井深度(m)/Drilling depth 300 m  
 通孔直径(mm)/Drill hole diameter  
 Φ505 mm  
 外形尺寸(mm)/Dimensions  
 11350\*2500\*3900  
 重量(T)/Weight 14T  
 主动钻杆/Driving drill rod  
 110mm\*110mm\*7500mm  
 主卷扬单绳拉力/ Main hoist single  
 cable tension 30kN  
 转盘转速/Rotation speeds of rotary table  
 正/Normal 26, 47, 77, 126, 200rpm.  
 Reverse 21, 38, 63, 103, 164rpm.  
 动力(柴油机) /Power source  
 Model F6L912 .74kW/2300rpm.  
 泥浆泵/Slurry pump  
 BW/900/25



规格型号/Specification SPT-450  
 钻井深度(m)/Drilling depth 450 m  
 通孔直径(mm)/Drill hole diameter  
 Φ505 mm  
 外形尺寸(mm)/Dimensions  
 12000\*2500\*4100  
 重量(T)/Weight 14.5T  
 主动钻杆/Driving drill rod  
 108\*108\*7000mm  
 主卷扬单绳拉力/ Main hoist single  
 cable tension 40kN  
 转盘转速/Rotation speeds of rotary table  
 正/Normal 26, 47, 77, 126, 200rpm.  
 Reverse 21, 38, 63, 103, 164rpm.  
 动力(柴油机) /Power source  
 Model F6L912 .74kW/2300rpm.  
 Model 6135AN :100kW/1500rpm.  
 泥浆泵/Slurry pump  
 BW/900/25(BW/600/30)



规格型号/Specification SPT-600  
 钻井深度(m)/Drilling depth 600 m  
 通孔直径(mm)/Drill hole diameter  
 Φ505 mm  
 外形尺寸(mm)/Dimensions  
 12600\*2500\*4230  
 重量(T)/Weight 21T  
 主动钻杆/Driving drill rod 108\*108\*7315mm  
 主卷扬单绳拉力/ Main hoist single  
 cable tension 44kN  
 转盘转速/Rotation speeds of rotary table  
 正/Normal 27, 49, 80, 131, 208rpm.  
 Reverse 35rpm.  
 动力(柴油机) /Power source  
 Model BF6L913C :141kW/2500rpm.  
 Model 6135AN :100kW/1500rpm.  
 泥浆泵/Slurry pump  
 BW1100



规格型号/Specification SPC-600ST/HW  
 钻井深度(m)/Drilling depth 600 m  
 通孔直径(mm)/Drill hole diameter  
 Φ505 mm  
 外形尺寸(mm)/Dimensions  
 12000\*2500\*4290  
 重量(T)/Weight 25T  
 主动钻杆/Driving drill rod  
 108\*108\*7315mm  
 108\*108\*10500mm  
 主卷扬单绳拉力/ Main hoist single  
 cable tension 44kN  
 转盘转速/Rotation speeds of rotary table  
 正/Normal 27, 49, 80, 131, 208rpm.  
 反/Reverse 35rpm.  
 动力(柴油机) /Power source(diesel engine)  
 Model BF6L913C :141kW/2500rpm.  
 Model 6135AN :100kW/1500rpm.  
 泥浆泵/Slurry pump  
 BW1100



规格型号/Specification SPC-1000  
 钻井深度(m)/Drilling depth 1000 m  
 通孔直径(mm)/Drill hole diameter  
 Φ505 mm  
 外形尺寸(mm)/Dimensions  
 14180\*2500\*4100  
 重量(T)/Weight 29T  
 主动钻杆/Driving drill rod  
 108\*108\*7315mm  
 108\*108\*10450mm  
 主卷扬单绳拉力/ Main hoist single  
 cable tension 7000kN  
 转盘转速/Rotation speeds of rotary table  
 正/Normal 27, 49, 80, 131, 208rpm.  
 反/Reverse 35rpm.  
 动力/Power (kW/RPM) 213/2300  
 泥浆泵/Slurry pump  
 压力(MPa)/ PRESSURE 5  
 最大排量(L/MIN)/DISPLACEMENT 1500

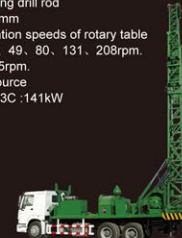


规格型号/Specification SDC-1000  
 钻井深度(m)/Drilling depth 1000 m  
 通孔直径(mm)/Drill hole diameter  
 Φ505 mm  
 外形尺寸(mm)/Dimensions  
 14700\*2490\*4000  
 重量(T)/Weight 32T  
 主动钻杆/Driving drill rod  
 108\*108\*7315mm  
 108\*108\*10450mm  
 主卷扬单绳拉力/ Main hoist single  
 cable tension 7000kN  
 转盘转速/Rotation speeds of rotary table  
 正/Normal 27, 49, 80, 131, 208rpm.  
 反/Reverse 35rpm.  
 动力/Power (kW/RPM) 213/2300  
 泥浆泵/Slurry pump  
 压力(MPa)/ PRESSURE 5  
 最大排量(L/MIN)/DISPLACEMENT 1500

规格型号/Specification YZC-500  
 钻井深度(m)/Drilling depth 1500 m  
 通孔直径(mm)/Drill hole diameter  
 Φ300 mm  
 外形尺寸(mm)/Dimensions  
 13110\*2500\*4000  
 重量(T)/Weight 24T  
 钻杆直径/Drill rod diameter  
 φ50, φ60, φ73, φ89 mm  
 主卷扬单绳拉力/ Main hoist single  
 cable tension 40kN  
 钻机动力/Drilling Rig Power source  
 柴油机/Diesel Engine: 59千瓦 (kW)  
 电动机/Motor: 30千瓦 (kW)  
 钻塔有效高度/  
 Effective Height of Drilling Tower  
 12.2 m  
 泥浆泵/Slurry pump  
 NBB-250/6A



规格型号/Specification SPC-600HW(修井机)  
 钻井深度(m)/Drilling depth 600 m  
 通孔直径(mm)/Drill hole diameter  
 Φ505 mm  
 外形尺寸(mm)/Dimensions  
 12000\*2500\*3995  
 重量(T)/Weight 25T  
 主动钻杆/Driving drill rod  
 108\*108\*8000mm  
 转盘转速/Rotation speeds of rotary table  
 正/Normal 27, 49, 80, 131, 208rpm.  
 反/Reverse 35rpm.  
 动力/Power source  
 Model BF6L913C :141kW



规格型号/Specification TSPJ-600型水井钻机  
 钻井深度(m)/Drilling depth 600 m  
 通孔直径(mm)/Drill hole diameter  
 Φ500mm  
 转盘通孔直径Φ505毫米  
 外形尺寸(mm)/Dimensions  
 5870\*2560\*9620  
 重量(T)/Weight 8T  
 主卷扬单绳拉力/ Main hoist single  
 cable tension 40kN  
 副卷扬单绳拉力/Auxiliary hoist single  
 cable tension 20kN  
 主动钻杆/Driving drill rod  
 108\*108\*5800mm  
 转盘转速/Rotation speeds of rotary table  
 正/Normal 62, 24rpm.  
 反/Reverse 64, 25rpm.  
 动力/Power source  
 BF6L913CG13型 141kW  
 推荐配置泥浆泵/Recommended  
 equipped with slurry pump  
 BW1100/50



规格型号 Specification	排量(m) Displacement	动力(kW) Power	外形尺寸(mm) Dimensions	重量(kg) Weight
BW600/30	730升/分	37KW	2.04*1.03*1.35	1450kg
BW900/25	900升/分	37KW	2.04*1.03*1.35	1470kg
BW1100	1100升/分	75KW	2.32*1.1*1.76	2650kg



我们的产品已经出口到世界许多国家：尼日利亚、阿联酋、巴基斯坦、马达加斯加、斯里兰卡、赞比亚、几内亚、桑给巴尔、秘鲁、科特迪瓦、乍得、尼泊尔、刚果、津巴布韦、安哥拉、埃塞俄比亚、阿尔及利亚、波斯瓦纳、蒙古国、布基纳法索、苏丹、也门、塞内加尔、马里、加纳、埃塞、玻利维亚、贝宁等。

Our products have been exported to world many country:  
Nigeria, UAE, Pakistan, Madagascar, Sri Lanka, Zambia, Guinea, Zanzibar, Peru, Ivory Coast, Chad, Nepal, Congo, Zimbabwe, Angola, Ethiopia, Algeria, Botswana, Mongolia, burkina faso sultan, Yemen, Senegal, Mali, Ghana, Essex, Bolivia, Benin, ect.

