

4000 米地质岩心钻探成套技术装备

4000m geological core drilling equipment

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勘探所自主研发成功我国深部矿产资源勘查技术装备交流变频电驱动 4000m 钻机, 满足金刚石绳索取心、冲击回转、定向钻进、反循环连续取心(样)等多种深孔地质钻探工艺要求, 可广泛应用于地质勘探、水文水井、煤田、油气田勘探等施工领域, 其主要技术参数: 钻进能力: H 钻具 4000m, 井架: 高 31m 垂直起升 K 型, 主绞车功率: 400kW, 顶驱功率: 200kW, 顶驱最大扭矩: 12000 N·m, 顶驱转速: 0~600rpm, 转盘功率: 180kW, 转盘最大扭矩: 20000 N·m, 转盘转速: 0~200rpm, 送钻电机功率: 15kW, 绳索取心绞车功率: 45kW

4000m AC frequency conversion driving rig is a kind of equipment for deep mineral resources exploration which is developed by China's own. Possessing the level of higher mechanization and automation, it can drill 4000 meters with H standard rod, which can meet the deep hole drilling technology requests of diamond core drilling, impact gyration, directional drilling, RC drilling and so on, especially suited for geological exploration, hydrological well, coal field, gas and oil field exploration construction and so on. technical parameters of core drill: Drilling capacity: H---4000m; Derrick: K type, 31m; Main hoist power: 400kW; Top driving power: 200kW; Top drive: Max. Torque----12000Nm; Max. Speed----600rpm; Rotary power: 180kW; Rotary table: Max. Torque----20000Nm; Max. Speed----200rpm; Motor power for feeding: 15kW; Wire-line core drilling winch power: 45kW

研制成功 XJY950 钢级精密冷拔无缝钢管及由其制造的钻杆, 达到国际先进水平;

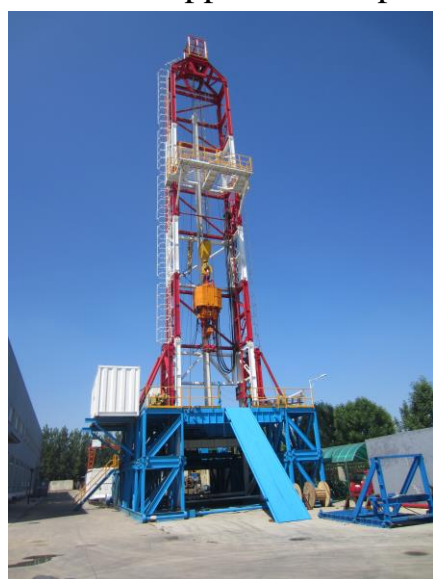
XJY950 steel-grade seamless steel pipe and drilling rod is developed successfully, which has reached international advanced level.

研制成功用于深孔高背压、高温环境下的 H (SYZX96) 绳索取心液动锤钻具, 耐高温密封材料在 180℃ 环境持续超 200 小时; 研制成功针对粉沙岩类水敏地层用 ST-96 绳索取心钻具, 提高了复杂地层取心率;

H (SYZX96) hydraulic DTH hammer weir-line coring tool is developed successfully for deep hole, high temperature and pressure drilling. Heat resistance sealing material is able to use more than 200 hours under 180° C condition. ST-96 wire-line coring tool is successfully developed for slit and water sensitivity stratum, that has enhanced the coring rate in complex stratum.

研制了各种规格的震击、切割、打捞等孔内事故处理工具, 为深部矿产资源钻探提供技术保障

All kinds of internal accident handling tools is developed, such as, jarring, cutting and fishing, etc. it can provide technical support for deep mineral resources exploration.



4000m 岩心钻机
4000m core drilling rig



XJY950 钢级钻杆
XJY950 drilling rod



强磁打捞器
Strong magnetic fishing tools



SYZX96 绳索取心液动锤钻具
SYZX96 hydraulic DTH hammer coring tool



ST-96 绳索取心钻具
ST-96 wire-line coring tools



可退式打捞工具
Releasing fishing tools