

Drill Tech

INTERNATIONAL



Mining



Construction



Water Well Drilling



Exploration Drilling



Foundation Drilling



Geotechnical Drilling

“Drilling solutions for Construction, Mining and Quarrying industry”



Drilltech International is professional organisation founded in 2016 offers complete systems and solutions for construction, Industrial, mining and quarrying industry and we are representing well known brands in construction & mining equipments, drilling consumables and OEM replacement parts. Having relevant experience in the similar industry we have been able to provide consulting services and trainings to our reputed clients for a wide range of supply which includes right selection of the products as per the application in order to fulfil the high demands of our customers.

Drilltech International is formed to cater mainly the export business with regional office in DWC free Zone, Dubai. UAE.

Vision

To be recognised as a Drilling Solutions expert in Middle East, Africa & CIS.

Core Values

We support an environment of honesty, transparency, fairness and high moral standards.



Mission

We will achieve our goals through taking a consultative approach where we:

- ▶▶ Get deep understanding of customer applications and requirements
- ▶▶ Understand their processes in detail
- ▶▶ Recommend customised solutions & Process re-engineering Through these steps we will provide our customers with
- ▶▶ Better Productivity
- ▶▶ Higher Efficiency

More reliability for all your drilling solutions.

Why Drilltech International?

We maintain a superior level of integrity in interactions with business partners and associates. We strive to be the industry standard in service to customers.

- ▶▶ Highly trained staff and Big enough to handle the most complex projects.
- ▶▶ Numerous successful projects.
- ▶▶ Full line of brand name equipment, support systems and replacement parts.
- ▶▶ Complete service and maintenance department to keep you up and running.
- ▶▶ Save time and money while improving efficiency and product quality.
- ▶▶ Highly focused Research and development.
- ▶▶ Precision engineered products & Competitive pricing.
- ▶▶ Fast & effective services, excellent customer support services.

Mining



Mining projects are often located in inaccessible and remote parts of the world. Drilltech International has supplying Facilities strategically located around the globe. In addition Drilltech International has developed a network of customer support centers located strategically around the globe.

Drilltech International provides the best solution for all types of applications including civil engineering projects, tunnelling, surface drilling, anchoring, foundation projects, and piling. This is true for all drilling methods such as top hammer, DTH and rotary drilling.

Construction



Water Well Drilling



Performance, reliability and overall tool life are the key factors to be considered when purchasing water well drill tooling. Drilltech DTH Hammers and Drill Bits are manufactured utilizing premium grade alloy steels to extremely precise tolerances ensuring maximum performance and tool life.

In Exploration Drilling applications productivity and reliability of the tooling used is key to success. The more efficient the hammers and bits used are, faster penetration rates and higher quality sampling are obtained resulting in a lowering of overall cost per meter.

Exploration Drilling



Foundation Drilling



Drilltech International supplies many drilling tools to the construction drilling industry. We provide construction industry drilling tools and construction industry drilling equipment. Construction generally involves drilling foundations and foundational underpinnings to support building bridges and other structures.

Geotechnical drilling is a type of drilling that is performed as part of the construction process. This is mainly for structures such as buildings and oil rigs, or as part of the investigation process carried out on site prior to construction. This task is usually undertaken by drilling contractors who are qualified to operate specialized drilling equipment. It's also under the supervision of a geotechnical engineer who oversees the process to ensure that the drilling meets the requirements of the project. Geotechnical drilling contractors sometimes provide other drilling services, depending on their size and location.

Geotechnical Drilling



Top Hammer



Drilltech International is truly a worldwide player and is offering high quality products to the market. Currently we are supplying over many countries and continue to increase the number of sales districts. Drilltech International products are supplied from highly wear resistant steel and Japanese produced tungsten carbide inserts. These tungsten carbide inserts are designed and produced by experienced engineers using the most advanced computer technology. Using this new computer technology, these tungsten carbide inserts are combined with the special steel bodies developed supplier to provide the client with unbeatable consistent quality.

DTH and RC Hammers

A "Down-the-Hole" Hammer is probably the most important component on the drill rig and the Drilltech DTH system holds many advantages over other alternatives, for instance: Rotary Drilling is fine for large diameter holes in softer more friable rock but less effective in hard rock or where small diameter holes are needed. Top Hammer (Drifter) drilling systems can produce satisfactory results for short hole drilling in hard homogenous rock conditions but would likely experience difficulty in deep holes and in soft ground with large diameters. The Drilltech DTH system is by far the most versatile and can be used very successfully in a wide range of ground conditions from soft, through medium to very hard. Small diameter holes with deep capability are all within the scope of the Drilltech DTH system, which is recognized for providing clean, truly aligned bore holes at high drilling rates with minimal operating cost.



Reverse Circulation Hammers



Reverse circulation drilling is similar to air core drilling. The cuttings are returned to the surface through an inner tube and collected for later use. This type of drilling is done by either rotary drilling or percussion drilling with the aid of a down hole hammer. Reverse circulation drilling is a highly utilized drilling method for mineral exploration. RC is used to retrieve continuous samples from the ground where a solid core is not needed.

In RC drilling, air, or sometimes water, is pumped into a side inlet air swivel. The air is then blown down the outside of the pipe. Once the air hits the drill bit, it flushes and cools the air but also creates a vacuum that forces the air and cuttings up the center of the drill string and into the inner tube sampler.

We supply friction welded drill pipes in the range 48-140mm outer diameter. Friction welding is a controlled process that achieves a high strength bond between the tube and tool joints. Larger pipes, over 140mm, are welded with conventional methods. Working together with the leading material suppliers in Europe ensures high quality products. Cold Drawn Seamless tubes ensures high strength, straight pipes with no scale. Our Tool Joints are made out of micro alloy steel with a hard surface for wear resistance and a tough core for fatigue resistance. Our heat treatment is performed by the leading provider of thermal processing services in worldwide.



Drilling Fluid & Lubricants



The drilling-fluid system commonly known as the "mud system" is the single component of the well-construction process that remains in contact with the wellbore throughout the entire drilling operation. Drilling-fluid systems are designed and formulated to perform efficiently under expected wellbore conditions. Advances in drilling-fluid technology have made it possible to implement a cost-effective, fit-for-purpose system for each interval in the well-construction process.

The active drilling-fluid system comprises a volume of fluid that is pumped with specially designed mud pumps from the surface pits, through the drill string exiting at the bit, up the annular space in the wellbore, and back to the surface for solids removal and maintenance treatments as needed.

» Drilling Foam » Thread Grease » Bentonite » Hammer Oil

Rotary Products

Advanced Performance (AP) rotary drill bits are supplied using aircraft quality steel and premium carbide grades developed to suit the toughest application. Computerized designs using solid modeling, computerized supplies processes using the latest in CNC equipment and computer process controlled heat treatment ensure consistent, high quality, drill bits. Drilltech International field staff and engineering team directly with our customers to test, report, and analyze, critical performance criteria for each drilling condition. Using this data in cooperation with feedback from the driller and Operations management, Drilltech International Engineering team provides a level of customization unique in the industry. Drilltech International recognizes, as all drillers do, that all rock is not created equal.



Geotechnical Rigs and Tools



Geotechnical drilling is a type of drilling that is performed as part of the construction process. This is mainly for structures such as buildings and oil rigs, or as part of the investigation process carried out on site prior to construction. This task is usually undertaken by drilling contractors who are qualified to operate specialized drilling equipment. It's also under the supervision of a geotechnical engineer who oversees the process to ensure that the drilling meets the requirements of the project. Geotechnical drilling contractors sometimes provide other drilling services, depending on their size and location.

Foundation Drilling

With simultaneous casing drilling DTH found its way to construction industry, which had a need to find a method to get the casings into complex ground conditions. DTH drilling suits especially well for drilling foundation piles in ground conditions with hard material likes stones, boulders and different types of bed rock. Due to high productivity DTH is also gaining popularity in off shore foundation building. There are several different types of piles that can be drilled with DTH overburden drilling system:

- ▶▶ End bearing piles with left in casing
- ▶▶ Friction piles with retrieved casings
- ▶▶ Vertical and battered piles
- ▶▶ From small diameter micro piles up to 1,5 meter casings!



Drilling Rigs

- ▶▶ Waterwell Rigs
- ▶▶ Exploration Rigs
- ▶▶ Core Drilling Rigs
- ▶▶ Multipurpose Rigs
- ▶▶ Foundation / Geotechnical



We offer wide range of OEM and alternative parts under the direct supervision of highly qualified technical experts. Our technicians keep a keen eye on every stage of quality checking Process and Thoroughly Check the parts for any defects before dispatching to clients. All our efforts are directed to provide our customers with a satisfying range of earth moving Machinery parts. We are also involved in various machinery parts sourcing and exports based on customers' demand. We Specialize in exports of Earth Moving and Construction Equipment parts mainly for Excavators, Bull Dozers, Motor Graders, Wheel Loaders, Dump Trucks, Forestry Equipment, and Mining Equipment.



UPVC Casing & Screens



Highest Quality uPVC Well Casing and Screen Pipes for Water Well Construction Casing Pipes & Screen Pipes are used for Bore Hole / Bore Well application. It prevents the earth to fill the Bore well and the Screen allows the water to percolate in the well which can be pumped with the pump. uPVC Casing & Screen Pipes has a higher density than water that provides a clear advantage in good construction. Its yield stress of 55N/mm² is comparatively high. The modulus of elasticity is also high enough to achieve excellent stiffness in pipes preventing undesired deformation of the pipe.

HDD Drilling Tools

Horizontal Directional Drilling (HDD) is a construction technique whereby a tunnel is drilled under a waterway or other designated area, and a pipeline or other utility is pulled through the drilled underground tunnel. (HDD) is a newer technology in pipe and utility installation that allows greater accuracy and flexibility in placement and ends the need for costly digging, large crews, road closures and other complications of traditional digging and pipe installation.



After Sales Services

"Training and consultancy for the drilling industry"

- ▶▶ Training -Bridging the skills gap
- ▶▶ All drilling methods
- ▶▶ Classroom
- ▶▶ Seminar
- ▶▶ On site
- ▶▶ Health and Safety
- ▶▶ Geology for drillers/Drilling for geologists
- ▶▶ Rig Modification and Audits





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