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CONTACT US FOR FULL SPECIFICATION SHEETS:
E: INFO@GTD-DRILLING.COM
QRCO.DE/GTDBROCHURE
SCAN QR CODE TO ACCESS THE MOST UP TO DATE ONLINE BROCHURE.
Looking to Improve, Expand or Set Up a New Ground Source Drilling Operation?

The demand for Ground Source Heating and Cooling (GSHC) drilling specialists is growing exponentially. Sources indicate that the sector is currently operating at under 1% of the potential market share.

Local and International Government Net Zero Carbon targets, combined with significant legislation changes, are creating expansion opportunities and accelerating demand way beyond the capacity of the current number of operational rigs.

- Complete turn-key drilling packages
- Training and development
- Operating procedures and operational assistance
- Access to large scale contracts
- Access to loan equipment pool (compressors, etc.)
- Supervision and management support
- Service and maintenance

GTD Provide:

There is a seismic shift in the climate conscience of the public, planners and politicians. Ground Source geothermal drilling is on the right side of the argument and will continue to grow traction as the cleanest, greenest and most sustainable energy source for ‘Climate Control’ in every sense of the world!

(Greta you can borrow that line if you fancy!)

Projects are getting bigger and boreholes are getting deeper, with this in mind each component you’ll find in this brochure has been carefully considered, designed and developed to reduce strain on your equipment and your personnel whilst increasing productivity.

One of the most significant barriers to ground source systems has always been the cost of installation. Let’s be honest: it still is - but doesn’t have to be! GTD can drill down your costs for ground source geothermal operations, improving profits, scalability and competitive opportunities.

Whether you are an established business wanting to expand your capabilities and productivity or looking to explore the prospect of a new start-up operation, GTD is here to help you with access to a complete ecosystem of equipment, supplies and support.

GTD are unique as we are dedicated manufacturers & suppliers of ground source geothermal drilling equipment, but also operators who have a vast experiences in UK & European ground source drilling as well as more recent operations in North America, Africa & Asia. We understand the balance required between cost and capability, to ensure that you have the right equipment... at the right price... right now.

Who are GTD?

GTD equipment is designed & engineered by geothermal ground source drillers and engineers specifically for the industry.

Each individual component has been specified to work together as a complete balanced drilling system, fine-tuned for optimum drilling potential... after all productivity is king.

Why buy GTD equipment?

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- Operating procedures and operational assistance
- Access to large scale contracts
- Access to loan equipment pool (compressors, etc.)
- Supervision and management support
- Service and maintenance

GTD’s equipment is designed specifically for the ground source geothermal drilling industry allowing the highest operational efficiency

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GTD DESCO
DRILL RIGS

CONTACT US AT INFO@GTD-DRILLING.COM       WWW.GTD-DRILLING.COM
The GTD DESCO 6500R has been designed and engineered specifically for ground source geothermal drilling & complex geology. Suitable for both domestic and commercial drilling. It can drill beyond 1300’ (400m) and can perform air and hammer drilling.

The unique built-in rod rack and automated handling system perform safely and efficiently, increasing productivity whilst reducing manual handling and risk of injury. The rod rack holds 800’ (240m) rods (BR50 thread, 20’ (6m) long with heavy duty wall thickness and extra-long tool joints). The increased rod length and internal diameter vastly reduce wear and tear on the rig and ancillaries whilst increasing productivity.

It is fitted with the powerful, world-renowned Doosan DL08 engine, producing 300HP! This is one powerful rig, and is capable of supplying the mud pump and auxiliary pit pump without compromising the drilling capability.

Mud pump options available on request. Duplex piston, triplex piston, centrifugal or a combination of both.

WHY A GTD DESCO DRILLING RIG?
The answer is simple... productivity!

Our rigs drill down your costs, both in purchase price and increased productivity. How? By outperforming other manufacturers currently used in the ground source geothermal industry. A bold statement, but one that is backed up by fact and experience.

These rigs hold international performance records for the most distance drilled, both on a single day and over the course of a year. Scan the QR code and see the GTD Desco Rig breaking records in Holland.

The long rod length, automated handling system and powerful engine means they are fast and capable. It is purposefully designed to simplify its operation, maintenance and fixes.

The net result is less downtime and higher productivity.
The GTD DESCO 5500R is our compact model and capable of both domestic and commercial drilling. It can drill beyond 650' (200m) in all conditions with ease and can perform both mud or air drilling.

This model also features our unique rod rack and automated handling system which performs safely and efficiently, increasing productivity. The engine produces 200HP which is very economical & fuel efficient to run.

It comes complete with a Triplex piston mist pump & twin stage centrifugal mud pump capable of drilling down beyond 650' (200m), lifting dense geology with ease. It is fitted with the powerful, world-renowned Doosan DL06 engine, producing 200HP which is ultra reliable and very economical & fuel efficient to run.

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200 HP
26,000 LBS (11 TON) PULL BACK
13,000 LBS (6 TON) PUSH DOWN
DOUBLE CLAMPS
40 X 15 (4.5M) RODS
AUTOMATED ROD HANDLING
CENTRIFUGAL MUD PUMP
TRIPLEX PISTON MIST PUMP
WIRELESS REMOTE CONTROL
WINCH
BREAKOUT CHAIN WRENCH
SAFETY CAGE
ADJUSTABLE WORKING TABLE
CASING EXTRACTOR / INSTALLER
PRESSURE WASHER & REEL

LIFTING CAPACITY
+6' / -3' (+2M / -1M) EXTRA PUSH DOWN AND PULL BACK

CONTACT US AT INFO@GTD-DRILLING.COM WWW.GTD-DRILLING.COM
ADJUSTABLE TABLE HEIGHT
+6’ / -3’
(+2m / -1m)

ADJUSTABLE HEAD SLIDES

TRIPLE CLAMPS
2 FIXED & 1 ROTATING
12½’ (320MM) OPENING

HYDRAULIC LEGS TO STABILIZE & LEVEL THE RIG

STEEL TRACKS WITH RUBBER PADS

ROD HANDLING WITH DUAL CONTROLS

AUTOMATED ROD RACK SYSTEM

CAN BE OPERATED BY THE LEAD DRILLER, SECOND MAN OR BOTH

HYDRAULIC CHAIN WRENCH & TABLE SPANNER

CAN BE USED AS A CASING EXTRACTOR (GIVING EXTRA PULL BACK)

REMOTE CONTROL

CONTACT US AT INFO@GTD-DRILLING.COM
WWW.GTD-DRILLING.COM
ADJUSTABLE
HIGH / LOW
ROTATION & TORQUE

MAIN WINCH &
SANLINE WINCH

WELDER &
GENERATOR

AUXILIARY HYDRAULICS

EURO DRILL HEAD

CONFIGURED FOR
DUAL CENTRIFUGAL
MUD PUMPS

SINGLE OR MULTI STAGE

DUPLEX HIGH PRESSURE
PISTON PUMP OPTIONS

MIST PUMP FOR
AIR DRILLING &
PRESSURE WASHER

USEFUL FOR POWERING
SAND GUZZLERS, GROUTERS,
LOOP REELERS ETC.

SCAN TO WATCH A VIDEO SHOWCASING ALL
THese GTD DESCO FEATURES AND OPTIONS
GTD MUD CLEANING & RECYCLING SYSTEMS

GTD DESIGN AND MANUFACTURE A COMPLETE RANGE OF MUD RECYCLING EQUIPMENT, FROM SIMPLE SHAKER UNITS TO FULL OIL & GAS FIELD SYSTEMS.

- Skid, trailer, track or vehicle mounted
- Self powered, electric or hydraulic
- Off the shelf items or completely custom to your needs
- Complete after sale service, including on site training

WE LOVE TALKING DIRTY, ISN’T IT TIME WE HAD A CONVERSATION ABOUT HOW MUD RECYCLING UNITS WILL STREAMLINE YOUR OPERATION!

MUD RECYCLING SYSTEMS EXPLAINED: 3 MAIN STAGES

1. SHAKER

Removes the largest material and majority of the solids from the drilling fluids. The bigger the shaker screen area the larger volumes of flow it can handle.

2. HYDROCYCLONE

The size of the cone diameter defines the separation point. The smaller the cone the finer it can separate. Typically they are divided into Desander and Desilter. Usually a cone diameter of more than 6” is called Desander, we use 8” and 10” cone desanders to separate solid-phase particle size 47-76μm. With smaller 4” Desilter cones separating down to 20-25μm.

3. CENTRIFUGE

For barite recovery and fine / ultra fine solids separation. Essential when drilling through clays where the constant circulation of fluids breaks down the solids into fine / ultra fine material.

CONTACT US AT INFO@GTD-DRILLING.COM WWW.GTD-DRILLING.COM
GTD MUD CLEANING & RECYCLING SYSTEMS

HOW TO SPEC YOUR MUD RECYCLING SYSTEM:

1. CAPACITY
   This is probably the most important factor when choosing/specifying a system. Let us know how much fluid you are pumping down the hole and we can match a system to your needs.

2. FUNCTIONALITY
   There are so many different options, and each user has their own specific requirements. We offer bespoke equipment tailored to your exacting needs. From lightweight trailer mountable units, remote control tracked units, containerised and vehicle mounted systems.

3. DIMENSIONS
   Often the biggest constraint when picking a system is size and weight. We pride ourselves on finding solutions to best match your needs with efficient, purposeful design and engineering.

OUR CLEAN, GREEN, TRACKED MUD CLEANING MACHINE

EXAMPLE MUD CLEANING & RECYCLING SYSTEMS:

GTD SC1200-2 - TRAILER MOUNTABLE MUD RECYCLING UNIT

- 200 GPM (450L/M) CAPACITY
- HIGH G FORCE DOUBLE DECK SHALE SHAKER
- 3 X HYDROCYCLONE DESILTERS
- SUBMERSIBLE FEED PUMP
- TANK AGITATORS
- 1000+GAL (4700 LITRE) TANK
- TRAILER MOUNTABLE
- 20KVA GENERATOR

PUMPED BACK TO RIG FOR PRIMING & BOOSTING FLOW

LOW LEVEL QUICK CONNECTIONS FOR INLET & OUTLET

WIND DOWN SUPPORT LEGS (1 ON EACH CORNER)

ADJUSTABLE SHALE SHAKE DECK ANGLE FOR EASE OF SETUP AND CONTROL

DOUBLE DECK HIGH G-FORCE SHAKE SHAKE

2 X 1.2KW VIBRATION MOTORS, ADJUSTABLE G-FORCE 7-9G

CONTROL PANEL

3 X HYDROCYLONE DESILTERS

20KVA GENERATOR

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EXAMPLE MUD CLEANING & RECYCLING SYSTEMS:

GTD's tracked, drilling mud recycling units are a three-stages separating system that comprises of a high-G-force double deck shaker, three hydrocyclone desilters and a decanter centrifuge.

The equipment is combined on a 1260gal (5730 litre) tank with sloped floor and internal tank mixers. Two submersible pumps feed both the hydrocyclones and centrifuge.

The system is mounted on top of a 25-ton crawler with steel tracks and rubber pads. Hydraulic legs are fitted to all four corners for levelling and lifting. The unit is powered by a 100kVA diesel engine generator.

The electric powered hydraulic tracks can be utilised as a hydraulic power pack when not being used for tracking, providing auxiliary hydraulics for ancillary equipment such as pit pumps.

The maximum capacity of the unit is approximately 200 GPM (45m³/h). This capacity is dependent on the screens mesh size and solid content of your fluids. The separation point is down to 2 - 5 micron.

ISN'T IT TIME YOU GOT YOUR MUD RECYCLING UNIT ON TRACK?

ALL OF OUR GTD MUD GUZZLER UNITS ARE OPTIMIZED TO IMPROVE THE EFFICIENCY OF YOUR DRILLING OPERATION.

CONTACT US AT INFO@GTD-DRILLING.COM  WWW.GTD-DRILLING.COM
EXAMPLE MUD CLEANING & RECYCLING SYSTEMS:

GTD SC100C - SKID MOUNTED DECANTER CENTRIFUGE

The GTD-SC100C Decanter Centrifuge is designed and purpose-built for the removal of low gravity or small particle size solids in all solids control applications.

Unit effective capacity 26GPM (6m³/h)

MUD CLEANING EQUIPMENT CAN TRANSFORM YOUR DRILLING OPERATION

HOW DOES IT WORK?

Drill fluid is pumped to the Decanter Centrifuge tank from either the drill collar or upstream solids control equipment, such as the GTD-SC1200.

The fluid is then drawn up from the tank by the Progressing Cavity Pump or submersible, then fed into the high-speed centrifuge, which removes solids down to 2-5 microns before returning the cleaned drill fluid to the drilling process.

In tank submersible mixers keep the fluids circulating and solids in suspension.

IMPROVING EFFICIENCY & PRODUCTIVITY

The unit’s high speed decanting centrifuge is specifically adapted for drilling operations, generating huge G-forces, to remove solids down to 2-5 microns keeping drilling fluids in excellent condition.

This unit can be used independently or in combination with other solids control equipment. The GTD-SC100C can provide cleaning of the drilling fluids directly from the collar with process rates up to 26GPM (100L/min).

In higher flow rate applications, the unit can provide additional low particle size removal as part of a bypass loop when paired with other equipment.

KEY BENEFITS - GTD-SC150C

- Removes low gravity solids for greater drilling efficiency
- Reduces water, mud, transportation and mud disposal costs
-Eliminates the cost of digging sumps
- Reduces site footprint, site remediation and environmental management costs
- Reduces wear and tear on drill components
-Improves on-site health and safety, reducing slips and hazards due to mess, mud and water
- Easily used in combination with other GTD equipment to provide enhanced mud recycling and cleaning

TOTAL UNIT

Length 10'11” (3,340mm)

Width 4’6” (1,370mm)

Height 6’4” (1,945mm)

Tank Volume 106ft³ (3m³)

Unit Capacity 26 gpm (100 Lpm)

Total Power 21kw

CENTRIFUGE - VFD

Bowl Length 26” (670mm)

Bowl Diameter 9” (220mm)

FEED PUMP

Model NETZSCH / Seepex

Motor 3kw

Flow 26 gal/min (6m³ / h)

SUBMERSIBLE TANK MIXERS

Capacity 2 x 3.2 m³ / min

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EXAMPLE MUD CLEANING & RECYCLING SYSTEMS:

DECANTER CENTRIFUGE

GTD have a full range of Decanter Centrifuges, with bowl diameter from 9” (250mm) up to 30” (760mm), with processing capacity ranging from 26GPM (6m³/h) to 440GPM (100m³/h).

For the geothermal drilling application our smallest centrifuge, with a 9” (250mm) bowl and ≤6m³/h capacity, is adequate for processing one rig’s drilling fluids. They are used in conjunction with the shaker and cones and reduce the build up of “fines” in the fluid, capable of removing solids down to 2 – 5μm. Although not essential all the time, in some conditions it’s almost impossible to live without them.

Our largest centrifuge features a 30” (760mm) bowl diameter and ≤440GPM (100m³/h) capacity. This unit was used as part of an aggregate wash plant in the UK. Complete with dosing unit, liquid tank and solids removal auger.

- Removes low gravity solids for greater drilling efficiency
- Reduces water, mud, transportation and mud disposal costs
- Eliminates the cost of digging sumps
- Reduces site footprint, site remediation and environmental management costs
- Reduces wear and tear on drill components
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WE PRIDE OURSELVES ON DELIVERING SOLUTIONS

...WE PRIDE OURSELVES ON DELIVERING SOLUTIONS

SKID? … TRAILER? … TRACKED? … OR A BESPOKE SYSTEM?

OFTEN THE BIGGEST CONSIDERATION WHEN SPECIFYING A SYSTEM IS SIZE AND WEIGHT...

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CONTACT US AT INFO@GTD-DRILLING.COM WWW.GTD-DRILLING.COM
GTD SOLIDS CONTROL EQUIPMENT

GTD DON’T JUST SUPPLY THE GEOTHERMAL DRILLING INDUSTRY...

WE ALSO SUPPLY THE FOLLOWING:
CORE DRILLING, HDD, TUNNELLING, AGGREGATE, O&G, FOOD & DRINK, RECYCLING AND MANY MORE.

SOME OF OUR CLIENTS INCLUDE:

MUD RECYCLING

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SCAN QR CODE TO ACCESS THE GTD WATER TREATMENT ONLINE BROCHURE

IF YOU WANT TO KNOW MORE ABOUT WHAT OTHER WATER TREATMENT EQUIPMENT WE SUPPLY THEN MAKE SURE TO CHECK OUT...

SCAN THE QR CODE TO SEE A FULL SYSTEM IN ACTION >
GTD TOOLING

- DRILL BITS
- RODS
- CASING

CONTACT US AT INFO@GTD-DRILLING.COM
WWW.GTD-DRILLING.COM
OUR DRILL BITS

NON CORE PDC

PDC bits in various body designs and sizes to cater for soft and medium formations

• All size available - All types available - All threads available
• Chrome only (42CrMo4) body material - offers high tensile properties with shock resistant properties, combined with good wear resistance.
• JET flush or WIDE flush options - JET is required for clays and wide flush is great for sands.
• FLAT or CURVED face PDC cutters - flat for speed and soft formations, curved for impact resistance and harder formations.

OUR BEST SELLERS:

- STEPPED
- ROUNDED
- JUNK SLOT
OUR DRILL BITS

ROCK ROLLERS

Tungsten Carbide Inserts (TCI) Tricone/Rollers

We also supply a range of rock rollers. We have both sealed (blue) and open-bearing (green) tri cones and both are fantastic. The open-bearing bits are super fast and strong with large TCI buttons for increased aggression and speed. The sealed-bearing bits are astonishingly long-lasting and is great value for money, they just seem to go on and on!

WE ARE NOT JUST HERE TO SELL BITS,
WE ARE HERE IF YOU NEED US TO HELP
ADVISE ON THE MOST EFFICIENT
DRILL BIT FOR YOUR OPERATION
TO INCREASE YOUR RATE OF PENETRATION & REDUCE COST

CONTACT US AT INFO@GTD-DRILLING.COM         WWW.GTD-DRILLING.COM
RODS

As standard our rigs come with 3½” (89mm) diameter rods with BR50 thread. This thread has been selected as it offers one of the best combinations of strength and increased internal diameter on a 89mm rod.

Features:
- Extra long tool joints for added strength
- Heavy duty thickness for extra strength & longevity
- 4 x Spanner flats

OUR GTD DESCO 5500R RIG USES 15’ (4.5M) RODS AND ITS AUTOMATED ROD HANDLING SYSTEM CAN HOLD 40 RODS (600’/180M).

CASING

Due to complexity in geology, casing of holes is inevitable. GTD supply temporary rope thread casing in varying lengths and diameters.

We recommend using 6” (152mm) diameter and matching the casing length to that of your rods/rig, i.e. 15’ (4.5m) lengths for the GTD Desco 5500R and 20’ (6m) lengths for the GTD Desco 6500R.

Features:
- Single start rope thread
- Heavy duty wall thickness

Using the main winch on the rig, the casing is hoisted onto the drive head using a bespoke casing clink. This is safe, quick and eliminates manual handling.

With a GTD rig it’s possible (if the conditions allow) to drill & case to 400’ (120m) and then drill on to 650’ (200m), install a loop, grout, remove the temporary casing and move & set up, all in one day.

OUR GTD DESCO 6500R RIG USES 20’ (6M) RODS AND ITS AUTOMATED ROD HANDLING SYSTEM CAN HOLD 40 RODS (800’/240M).
GTD PUMPS

- AIR COMPRESSORS
- PISTON PUMPS
- CENTRIFUGAL PUMPS
- HYDRAULIC POWER PACK
**AIR COMPRESSORS**

**GTD AIR COMPRESSORS ARE AVAILABLE EITHER SKID OR TRAILER MOUNTED**

Our mobile diesel air compressors are equipped with high efficiency Cummins engines.

Our air compressors always meet the harsh environments of the drilling industry. Suitable for geothermal air drilling as well as water well drilling, oil & gas exploration, mining & DTH drilling etc.

To alleviate the cost of outlay, GTD has a growing fleet of rental equipment that is there for when you need it.

For drilling support, sales and equipment rentals email us now at info@gtd-drilling.com

---

**PISTON PUMPS**

The GTD Mud Pumps are horizontal reciprocating single-acting triplex piston pump (try saying that five times!), driven by a Cummins diesel engine.

Capable of adjustable flow rates and pressures from the same pump making them adaptable for all types of applications. High wear resistance as all pumps have ceramic liners.

**LET’S TALK SHOP TO ESTABLISH WHAT’S BEST SUITED FOR YOUR DRILLING OPERATION & BUDGET**

---

**OUR AIR COMPRESSORS & PISTON PUMPS ARE AVAILABLE TO RENT OR PURCHASE**

---

**GTD 850F-24P**

**GTD MP1000PP**

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**GTD 605F-17P**

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**CE, SIS 1530087/150 14001, Noise Certificate**

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**LET’S TALK SHOP TO ESTABLISH WHAT’S BEST SUITED FOR YOUR DRILLING OPERATION & BUDGET**

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**GTD AIR COMPRESSORS ARE AVAILABLE EITHER SKID OR TRAILER MOUNTED**

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**PUMPS**

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**CONTACT US AT INFO@GTD-DRILLING.COM  WWW.GTD-DRILLING.COM**

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**CONTACT US AT INFO@GTD-DRILLING.COM  WWW.GTD-DRILLING.COM**

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**CONTACT US AT INFO@GTD-DRILLING.COM  WWW.GTD-DRILLING.COM**
For 95% of drilling operations/conditions a centrifugal pump is the pump to have. High performance, value for money and easy to replace with limited down time.

We typically fit multiple pumps to each rig to eliminate downtime.

Capable of up to 300psi (21bar) at dead end and a real life flow of 160/210 GPM (600/800L/min) of drilling fluids.

Mud pump options available on request. Duplex piston, triplex piston, centrifugal or a combination of both.

NOV Mission Sandmaster • Caprari • GTD Desco Duplex

GTD STOCK CAPRARI AND NOV MISSION MAGNUM PUMPS, HYDRAULIC MOTORS AND CONNECTIONS.

GTD HAVE A FULL RANGE OF HYDRAULIC POWER PACKS

<table>
<thead>
<tr>
<th>GTD BP3500</th>
<th>GTD BP4500</th>
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<tr>
<td><strong>DIMENSIONS &amp; WEIGHT</strong></td>
<td><strong>DIMENSIONS &amp; WEIGHT</strong></td>
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<td><strong>HYDRAULIC SYSTEM</strong></td>
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CLEAR WATER PERFORMANCE CHARTS AVAILABLE ON REQUEST

CONTACT US AT INFO@GTD-DRILLING.COM  WWW.GTD-DRILLING.COM
DRILLING PACKAGES

WHY BUY A COMPLETE PACKAGE?

• It’s everything you need - whether you are a start-up, expanding or diversifying
• Meticulously engineered and specified to work together
• The most affordable way to buy equipment
• A single finance package
• One delivery date
• Reduced risk (financially, non-compatibility and to productivity)

Leverage our decades of experience as experts in geothermal ground source drilling when specifying the most relevant package for your needs.

Our packages aren’t just about equipment sales, we provide consultation, training, support (pre and post purchase) along with a complete ecosystem of supplies and consumables.

We even provide qualified access to drilling contracts as part of the wider GTD Drillers Cooperative.

THE OPAL PACKAGE IS OUR MOST AFFORDABLE SOLUTION WHICH CONTAINS ALL OF THE KEY EQUIPMENT YOU NEED FOR PRODUCTIVE GEOTHERMAL GROUND SOURCE DRILLING

• GTD Desco 5500R Geothermal Drill Rig
• GTD SC1200-2 Mud Recycling system - shaker & hydrocyclones
• 40 x 15’ (4.5m) BR50 thread drill rods
• GTD Double wheel loop reeler
• Casing & racking
• Grouter
• Trailer
• Pramac Generator

TO DISCUSS PACKAGE DETAILS & OPTIONS EMAIL US AT INFO@GTD-DRILLING.COM

OPAL 5500R DRILLING PACKAGE

OUR COMPLETE DRILLING PACKAGES ARE UNIQUE TO THE INDUSTRY
EMERALD 6500R DRILLING PACKAGE

THE EMERALD PACKAGE IS OUR MOST POPULAR SOLUTION WHICH CONTAINS OUR RECORD BREAKING GTD DESCO 6500R RIG ALONG WITH THE KEY EQUIPMENT TO ENABLE THE HIGHEST POSSIBLE PRODUCTIVITY IN THE INDUSTRY

- GTD Desco 6500R Geothermal Drill Rig
- GTD SC1200-2 Mud Recycling system – shaker & hydrocyclones
- 48 x 20’ (6.0m) M28 thread drill rods
- Casing & racking
- GTD Double wheel loop reeler
- Generator
- Trailer
- Pramac Generator
- Tripleplex Piston Mud Pump
- Sand Separator – PVS Pump
- GTD Double Hydraulic Loop Reeler
- Casing Grout Pump
- Trailer
- Starter pack of drill bits and tooling
- Extensive spares and consumables package

TO DISCUSS PACKAGE DETAILS & OPTIONS EMAIL US AT INFO@GTD-DRILLING.COM

DIAMOND 6500R DRILLING PACKAGE

THE DIAMOND PACKAGE REPRESENTS THE ULTIMATE ‘NO-COMPROMISE’ CHOICE OF SPECIALIST EQUIPMENT FOR GEOTHERMAL GROUND SOURCE DRILLING OPERATIONS

- GTD Desco 5800R Geothermal Drill Rig
- GTD Mud Guzzler SC1200C-2 - Shaker, Hydrocyclones & Decanter Centrifuge
- GTD Desco Fracked Carrier
- Large Portable Air Compressor - For Air Drilling
- Pramac Generator
- Triplex Piston Mud Pump
- Sand Separator – PVS Pump
- GTD Double Hydraulic Loop Reeler
- Casing Grout Pump
- Starter pack of drill bits and tooling
- Extensive spares and consumables package

TO DISCUSS PACKAGE DETAILS & OPTIONS EMAIL US AT INFO@GTD-DRILLING.COM
LOOP REELER
AND WEIGHTS
Weight is required to counteract the buoyancy of the loop material. Ground conditions, tight boreholes diameters, viscosity of the borehole fluid, all add to loops not falling under their own weight. GTD produce its own weights in-house and make them specifically to your weight requirements. Their slim design with a conical end ensures smooth and easy installation. They can also be bolted together for additional weight if required.

LOOP REELER

GTD PRODUCE
A RANGE OF
QUALITY LOOP
REELER’S
FROM FREE
SPINNING
SINGLES
THROUGH
TO FULLY
HYDRAULIC
DOUBLES

WEIGHTS

GTD WEIGHTS
ARE DESIGNED
& PRODUCED
IN-HOUSE

THIS MEANS WE CAN
DELIVER FROM STOCK
BUT ALSO PRODUCE
BESPOKE PROJECT
SPECIFIC WEIGTHS
ON-DEMAND

CONTACT US AT INFO@GTD-DRILLING.COM                     WWW.GTD-DRILLING.COM
GROUT & GROUTERS

CONTACT US AT INFO@GTD-DRILLING.COM
WWW.GTD-DRILLING.COM
**ThermoGrout™**

ThermoGrout™ is used widely across Europe and is manufactured for reliable, flexible and consistent thermal conductivity and ease of injection.

Its unique formulation allows higher yields whilst achieving consistent high thermal conductivity. It exceeds the high and exacting standard required for geothermal conductivity, whilst also ensuring separation and low permeability between the geological layers.

- Maximum performance, with a conductivity of your choice
- No addition of chemical components, therefore environmentally friendly
- Thermal Conductivity up to 1.8 W/m.K
- Low Permeability
- Easy to pump

**AVAILABLE IN 1 TON BULK BAGS OR 55lbs (25KG) BAGS**
IN THE PRESS

GTD DESCOR DRILL RIG, COVER STORY OF THE GEODRILLING INTERNATIONAL MAGAZINE

READ ALL ABOUT IT IN THE FULL ARTICLE PUBLISHED IN DEC 2021 - SCAN QR CODE

WHAT SOME OF OUR GLOBAL CUSTOMERS ARE SAYING

"MEGA RIG – DOES EXACTLY WHAT IT SAYS ON THE TIN!"
ACE DRILLING SERVICES (UK)

"GTD EQUIPMENT HAVE ENABLED US TO SET NEW STANDARDS IN PRODUCTIVITY NEVER ACHIEVABLE BEFORE!"
GEOTECH BV (HOLLAND)

"I CAN NOW SEE WHY THIS RIG HAS BROKEN SO MANY RECORDS IN EUROPE. THE ROD HANDLER IS A DREAM!"
QC GEOTHERMAL (USA)

"IF YOU ARE DIVERSIFYING INTO GEOTHERMAL DRILLING LIKE US, GTD REALLY ARE THE ONLY CHOICE. THEY CONTINUE TO SUPPORT US ALL THE WAY"
FUTURE DRILLING SERVICES (UK)

"THE TRACKED MUD UNIT IS AN ABSOLUTE GAME CHANGER!"
AW SYNERGY (UK)

"THE 6500R MAKES LIGHT WORK OF THE CHANGING & CHALLENGING GEOLOGY ACROSS FRANCE"
SYNERGIE FORAGE (FRANCE)