

COMPANY
PROFILE



DRILLTECH

GEO

Rock
Coring

Soil Investigation
& Analysis

Borehole
Drilling

Geophysical
Survey

GET IN TOUCH

+966 55 422 9904 | +966 51 083 0094

info@drilltechgeo.com

www.drilltechgeo.com



About Us

DrillTech Geo is a specialist geotechnical drilling company headquartered in Jeddah, delivering subsurface exploration and soil analysis services for a wide range of industries across Saudi Arabia. With an experienced team and cutting-edge equipment, we offer clients the reliability, accuracy, and safety essential for major construction, infrastructure, and mining projects. We work in both desert terrains and complex industrial zones including offshore sites, with proven capability



Industries

We Serve



Construction Companies



Infrastructure Projects



Government Projects



Gold, Steel, Cement Mines



Offshore & Coastel Projects



Our Services

Rock Coring

Soil Investigation & Analysis

Borehole Drilling

Geophysical Survey

Offshore Drilling

**Standard Penetration
Test**

Sampling



EQUIPMENT & TECHNOLOGY

Rotary Drilling Rigs

Down-the-Hole
(DTH) Rigs

Hollow Stem Augers

Wireline Core Barrels

Compressors for Air
Drilling

GPS Positioning &
Lab tested Samples

Mobile Drill B57

SPECIFICATION

HYDRAULIC FEED SYSTEM

- Pulldown force: 20,000 lbs [9,072 kg]
- Retract force: 30,000 lbs [13,608 kg]
- Feed speed, down: 62 ft/min [18.8 m/min]
- Feed speed, retract: 41 ft/min [12.4 m/min]
- Rapid: 80 ft/min [24.3 m/min] Feed stroke: 6 ft [1.83 m]

POWER UNIT

- Diesel Engine: Deutz Tier 3, 116 hp (86.5 Kw)
- Engines include: 12V starting circuit, electronic engine module installed in the operators control panel, 18 gallon (68 l) fuel tank with lock, lockable battery box, cold weather starting package.

SPT AUTOMATIC HAMMER

- ASTM D-1586 standards, standard duty and heavy duty
- 140 lb [63.5 kg], 170 lb [77.1 kg], 300 lb [136.1 kg], 340 lb [154.2 kg] slugs available

OPERATING CAPACITIES

- Hollow stem augers, 4-1/4 in [108 mm] ID: 250 ft [76 m]
- Continuous flight auger, 6 in [152.4 mm] OD: 300 ft [91 m]
- Rotary drilling, NWJ/NW drill rod with 5 in [127 mm] OD bit: 1,500 ft [457 m]

SAFE-T DRIVER

- Single Line: 900 lbs. Variable up, freefall down.
- Cable: 1/4 in, Length 300 ft.

RIGHT ANGLE DRIVE

- Two speed heavy duty right angle drive with tapered roller bearings and a ring gear and pinion.
- 2 in. [50.8 mm] hardened output shaft with flex chain coupling to a 1-3/4 in. [44.5 mm] kelly bar

DRILL HEAD ROTARY

- Total enclosed "dry box" with tapered roller bearings.
- 1-3/4 in. [44.5] heat treated alloy steel kelly drive bar.
- 3-1/4 in. [82.6 mm] ID hollow spindle

HOISTS

MAIN

- Single Line Capacity: 8,500 lbs [3,855.5 kg]
- Line speed: 0-75 fpm [22.9 m/min]
- Cable diameter: 1/2 in (.500) [12.7 mm]
- Cable length: 100 ft [30.5 m]

AUXILIARY

- Single Line Capacity: 3,000 lbs [1,361 kg]
- Line speed: 0-126 ft/min [38 m/min]
- Cable diameter: 5/16 in (.325) [8.3 mm]
- Cable length: 75 ft [22.9 m] standard



CME 45B

SPECIFICATION

ENGINE

- Cummins QSF 2.8 (171 cubic inch) 65 Horsepower (48.5 kilowatt) 4-cylinder turbocharged diesel engine meeting U.S. EPA tier-4 final emissions standards

ROTARY DRIVE

- Clutch, heavy duty – 11 inch (28 cm)
- Transmission – 4 speed forward, 1 speed reverse
- High torque
- Rotary Torque – 4,858 foot pounds (6,587 Nm)
- Rotary Speed – up to 553 rpm max

HYDRAULIC FEED SYSTEM

- Retract force – 19,600 pounds (8,890 kg)
- Pulldown force – 3,650 pounds (6,192 kg)
- Retract rate (max) – 55 feet (17 m) per minute
- Feed Rate (max) – 79 feet (24 m) per minute
- Stroke – 68 inch (173 cm)

MOBILE DRILL B53

SPECIFICATION

HYDRAULIC FEED SYSTEM

- Pulldown force: 31,400 lbs [14,242 kg]
- Retract force: 24,000 lbs [10,886.2 kg]
- Feed speed, down: 0-127 ft/min [0-38.7 m/min]
- Feed speed, retract: 0-95 ft/min [0-28.96 m/min]
- Feed stroke: 78 in [1.98 m]
- Angle Drill Capable

POWER UNIT

- Deck Engines: Cummin 4 cylinder 4 BT, 420lb-ft

DRILL HEAD ROTARY

- Maximum Rotary Speed: 837 RPM [87.65 rad/s]
- Torque: 6,588 ft-lbs [8,932 Nm]
- 10 Speeds

OPERATING CAPACITIES

- Hollow Stem Auger, 3-1/4 in [108 mm] ID: 150 ft [45.72 m]
- Continuous Flight Auger, 6 in [152 mm] OD: 300 ft [91.44 m]
- Continuous Flight Auger, 14 in [365 mm] OD: 60 ft [18.27 m]
- Rotary Drilling, NW 1,000 ft [304.8 m]
- Diamond Core Drilling: N Wireline: 1,200 ft [365.76 m]

HOIST

MAIN

- Single Line Capacity: 6,000 lbs [2,722 kg]

AUXILIARY

- Single Line Capacity: 3,000 lbs [1,361 kg]

WIRELINE

- Single Line Capacity: 3,000 lbs [1,361 kg]

SPECIFICATION

ENGINE

- Diesel: model YC6A240-33 / 177 kW @ 2300 rpm

HYDRAULIC FEED SYSTEM

- Double oil cylinders (100 mm dia); spindle ID 96 mm; spindle torque up to 12,500 Nm; stroke ~1000 mm; push/pull capacity 110 kN

HYDRAULIC SYSTEM

- Gear-type pump, 5-10 GPM, up to 2000 PSI

MAX DRILLING DEPTH

- 75-100 meters (depending on formation)

ROTARY DRIVE

- Mechanical rotary system, 0-1000+ RPM
- Torque Output - Approx. 300-500 Nm

FEED SYSTEM

- Hydraulic feed cylinder (36-48 inch stroke)

PULLBACK FORCE

- ~3000-5000 lbs

HOLE DIAMETER

- 2.5" to 4.5"

MAST TILT

- Manual, up to 45°



CME 75

SPECIFICATION

ROTARY DRIVE

- Clutch, heavy duty - 13 inch (33 cm)
- Transmission - 4 speed forward, 1 speed reverse
- Standard Rotary Box - 10,445 foot pounds (14,160 Nm) max spindle torque, 745 rpm max spindle speed

ENGINE

Cummins QSB 4.5L (275 cubic inch) 140 horsepower (104 kilowatt) 4-cylinder turbocharged diesel engine with electronic throttle, engine protection shut down, and cold weather starting aid. U.S. EPA tier-4 final emissions certified.

HYDRAULIC FEED SYSTEM

- Retract force - 30,000 pounds (13,608 kg)
- Pulldown force - 20,000 pounds (9,072 kg)
- Retract rate - 32 feet (10 m) per minute
- Rapid Retract rate - 95 feet (29 m) per minute
- Feed Rate - 52 feet (16 m) per minute
- Stroke - 72 inch (183 cm)



OUR CLIENTS





DRILLTECH

GEO

WWW.DRILLTECHGEO.COM



Why Choose Us?

- ✓ Expert field team with years of local experience
- ✓ Capability to operate in harsh, remote, and offshore conditions
- ✓ Accurate testing and reporting using modern tools and lab-verified samples
- ✓ Operations meet local safety regulation and international best practices
- ✓ Custom drilling plans for construction sites, mines, and offshore location
- ✓ Quick mobilization, clean project handling, and on time delivery