

# Grizzly series

Truck mounted CPT rig

**Geomil**  
equipment

*World's first manufacturer  
of CPT equipment*



The Grizzly series is Geomil Equipment's innovative, fully ballasted truck solution for Cone Penetration Testing (CPT), delivering push capacities up to 200 kN.

What makes the Grizzly unique is its modular design, where the entire CPT installation – including the sub-chassis, hydraulic system, controls, and working cabin – is completely pre-fabricated as a stand-alone unit. This allows the system to be seamlessly mounted on nearly any heavy-duty, three-axle truck, regardless of brand, offering unmatched flexibility.

Whether the base truck is sourced from Geomil or provided by the customer, the Grizzly's ready-to-go design ensures quick and hassle-free installation once the truck is adequately prepared.

Operators enjoy an enclosed cabin for safety and comfort, with optional climate control for ideal working conditions year-round. The rig's dead weight and ergonomic layout maximize production rates, while the mobility of the base truck enables rapid travel between testing locations.



For added convenience, the Grizzly can be installed on-site, as long as technical requirements are met. The process is overseen by a team of experienced Geomil engineers, and customers only need to provide a suitable truck platform and basic workshop facilities.

If you are looking for an efficient, reliable, and cost-effective CPT rig, the Grizzly is the ultimate choice.



#### Main characteristics of the Grizzly series

Total unit mass 18 - 21 t, subject to applicable road regulations and allowable axle/total load

Net CPT capacity 170 - 200 kN

Total dimensions approx. 8000 x 2500 x 3700 mm (final height truck dependent)

Working cabin interior dimensions approx. 4750 x 2400 x 2100 mm

Standard based on MAN TGS 33.400 6x6 BB CH

High quality load sensing hydraulic axial pump installed directly on the truck's PTO

Low maintenance CPT push frame with 1150 mm stroke, max. 200 kN push force

Hydraulic push/pull clamp and foot clamp

HMI via touch screen, joystick and buttons, providing controls, system information and engine management

Automated processes fully controlled via PLC

Integrated leveling jacks with 1250 mm stroke (4x)

Insulated walls and roof, access door and stairs, windows, tube rack, work benches, combined inverter/charger and electrical sockets

Wide variety of options: air conditioning, independent diesel heater, customized lighting and interior, compressed air, safety features, etc.

Geomil Equipment offers a comprehensive range of high-quality CPT cones and data acquisition equipment, designed for accurate and reliable site investigations in both onshore and offshore environments.

To minimize noise and improve accuracy, the latest digital cones feature integrated AD conversion and onboard memory. All standard cones measure cone resistance ( $q_c$ ), sleeve friction ( $f_s$ ), pore pressure ( $u$ ), inclination and optionally temperature. For soft or sensitive soils Geomil provides special ultra-sensitive cones equipped with low-capacity load cells, enabling precise measurement of small variations that standard cones may not detect effectively.

Additionally, Geomil offers seismic modules for SCPT, with dual-array geophones allowing measurement of shear and optionally compression wave velocities, which is critical for evaluating dynamic soil properties. Other available options are full flow penetrometers, soil samplers, field vane testers and UXO systems.

For more technical information or a quotation based on your specific requirements please contact [sales@geomil.com](mailto:sales@geomil.com) or call us at +31 172 427 800.



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