

Kodiak series

Crawler enhanced CPT truck

Geomil
equipment

*World's first manufacturer
of CPT equipment*



The Kodiak series is Geomil Equipment's most advanced onshore Cone Penetration Testing (CPT) solution. The unique combination of a truck with a deployable undercarriage results in the perfect mix of efficient long-distance travel and excellent terrain capabilities, even in unfavorable conditions.

While the Kodiak benefits from the travelling speed of a regular truck on roads or in favorable ground conditions, the crawlers can be lowered to achieve a very low ground pressure when driving in soft to very soft terrain.

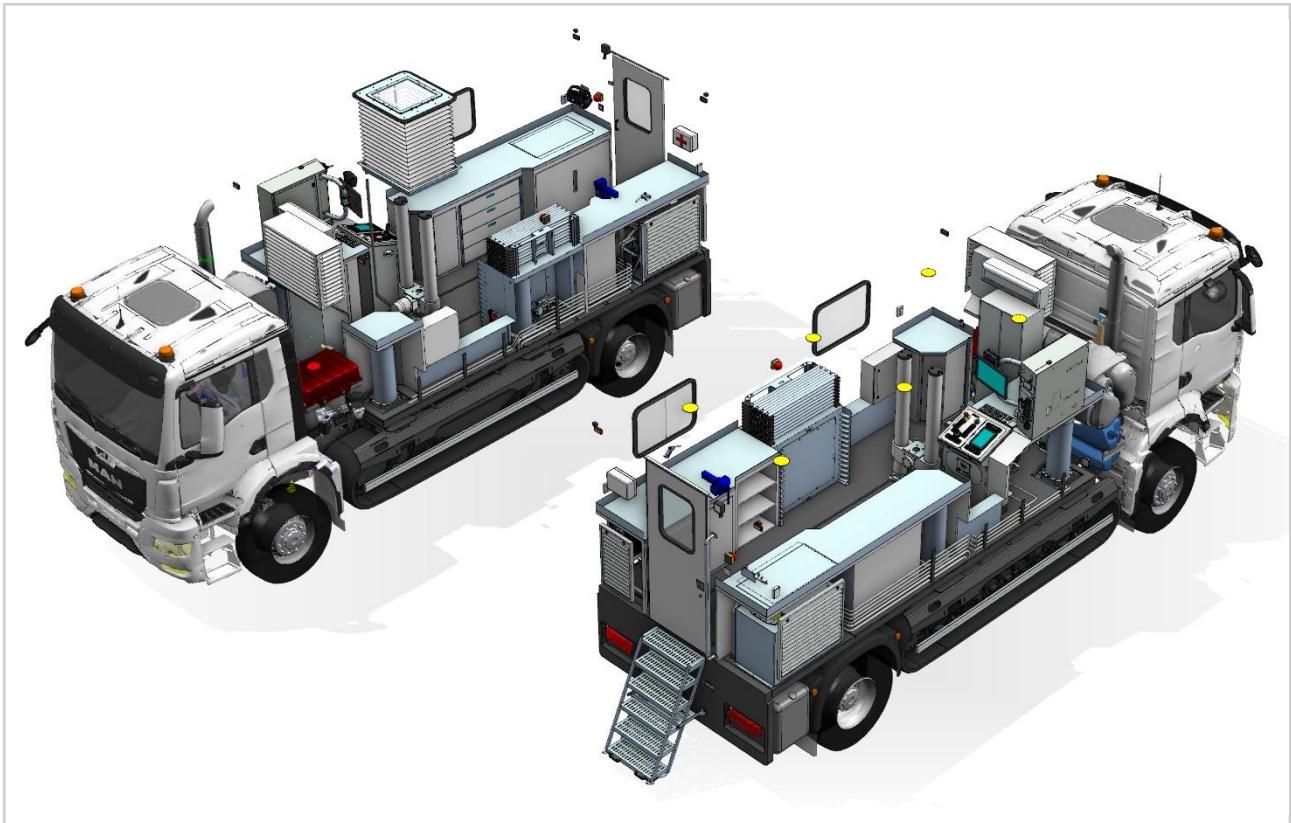
The Kodiak is available in various weight classes and can be delivered compliant to local road regulations in most countries. Several engine classes can be delivered, meeting the highest emission standards, or alternatively a globally deployable variant.

A range of trucks can be used as a platform for the Kodiak, ranging from a relatively basic 4x2 configured truck, to a more capable 4x4 version. Designs for most common MAN trucks are in place.



Upon request, other brands and models can be considered. Geomil can advise on available options and the best possible configuration for any specific requirements.

The Kodiak is the ideal CPT rig for the user who wants it all: the flexibility of the truck with the bonus of the crawlers in soft soils and the spacious working cabin.



Main characteristics of the Kodiak series

Total unit weight 17.5 - 19 tons

Net CPT capacity 170 - 185 kN

Total dimensions approx. 8100 x 2500 x 3650 mm or 4500 mm with bellows extended

Working cabin interior dimensions approx. 5300 x 2400 x 2100 mm

Standard based on MAN TGM 18.340 4x4 BB

Ground pressure 50 - 55 kPa (on crawlers)

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

Remote controlled driving on crawlers

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

Wide variety of options: PU tracks, climate control, 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 or call us at +31 172 427 800.



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