

Panther series

Crawler mounted CPT rig

Geomil
equipment

*World's first manufacturer
of CPT equipment*



Geomil Equipment's Panther series is engineered for onshore Cone Penetration Testing (CPT) in the most challenging environments. With ultra-low ground pressure, the Panther excels in unstable or soft soils where other rigs struggle.

The Panther is available in three different weight classes, each adaptable with additional ballast for enhanced push capacity:

- Panther-100 (100 to 120 kN push capacity)
- Panther-130 (130 to 160 kN push capacity)
- Panther-170 (170 to 200 kN push capacity)

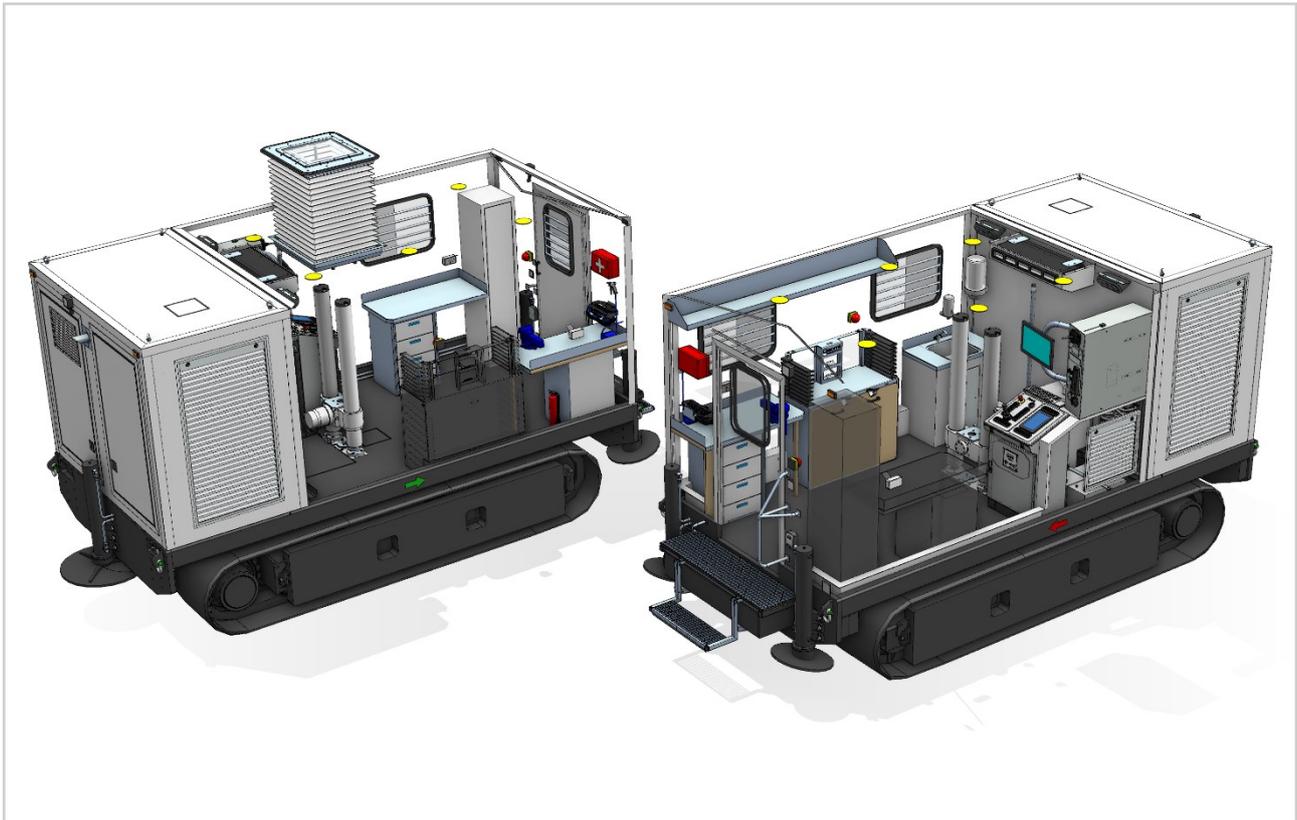
The Panther features an enclosed cabin, allowing operators to work safely and comfortably while shielded from weather and darkness. With optional climate control, it ensures ideal working conditions year-round.

The rig's dead weight and ergonomic layout enable exceptional production rates. Partially remote-controlled, the Panther meets all current safety regulations, making it a reliable choice for tough and demanding jobsites.



Its modular powerpack, built as a separate unit and based on a highly efficient diesel engine, simplifies maintenance and service, reducing downtime and keeping operations running smoothly.

When the terrain is unforgiving and the stakes are high, the Panther delivers – combining unmatched robustness, versatility, reliability and efficiency.



Main characteristics of the Panther series

Model	Panther-100	Panther-130	Panther-170
Total mass (t)	11 - 13	14 - 17	18 - 21
CPT capacity (kN)	100 - 130	130 - 160	160 - 200
Approx. outer dimensions (mm)	L	5000	5500
	W	2500	2500
	H	2900	3000
Track width (mm)	500	700	700
Ground press. (kPa)	40 - 48	29 - 35	36 - 42

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

Integrated leveling jacks with 750 mm stroke, optionally with longer stroke and outriggers

Insulated walls and roof, access door and stairs, windows, power pack enclosure with doors, tube rack, work benches, 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.



0053-1_26/02

www.geomil.com