



GEOMECH AFRICA
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GEOMECHANICS
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FACT SHEET



CPTu Testing

COLOSSAL CPT-150 RIG

**GEOMECH AFRICA
LEVEL 1 - B-BBEE**

www.geogroup.co.za

About the Colossal CPT-150

The Colossal CPT-150 is a customized CPTu rig specifically designed with stability in mind. With a Pagani CPT 150 mast fitted to a Morooka track-based carrier, the rig is ideal for conducting CPTu tests where the ground conditions show characteristics of a lower shear strength value or cohesiveness. The track-base allows for easy manoeuvring between test locations that are closer in distance while removing the need for additional towing vehicles on-site.

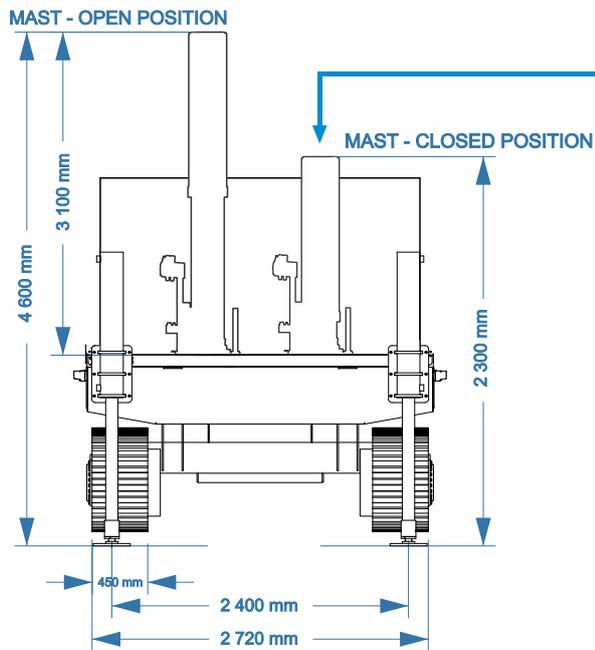
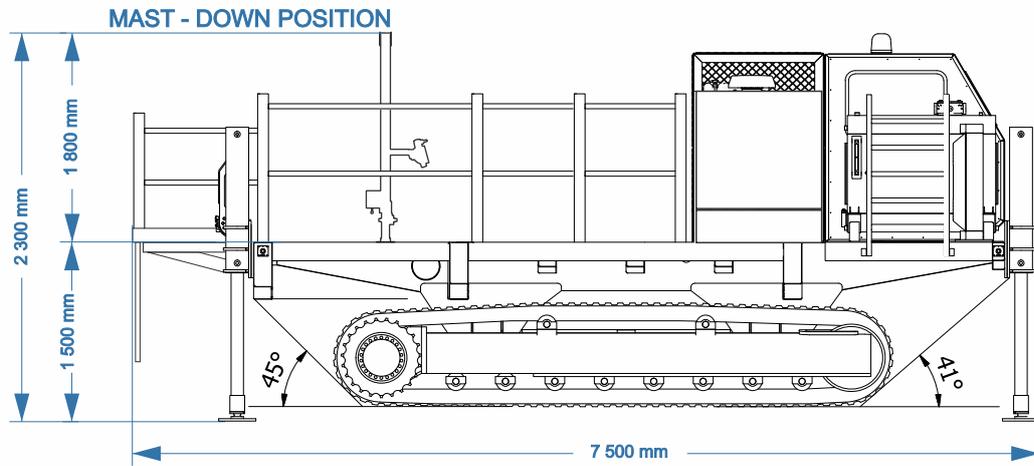
Another benefit to this customisation is that the rig acts as a counterweight that prevents the rig from lifting mid-test and provides the reaction force needed to offset the 190kN of thrust applied while advancing the CPTu probe and rods at a constant 2cm per second.



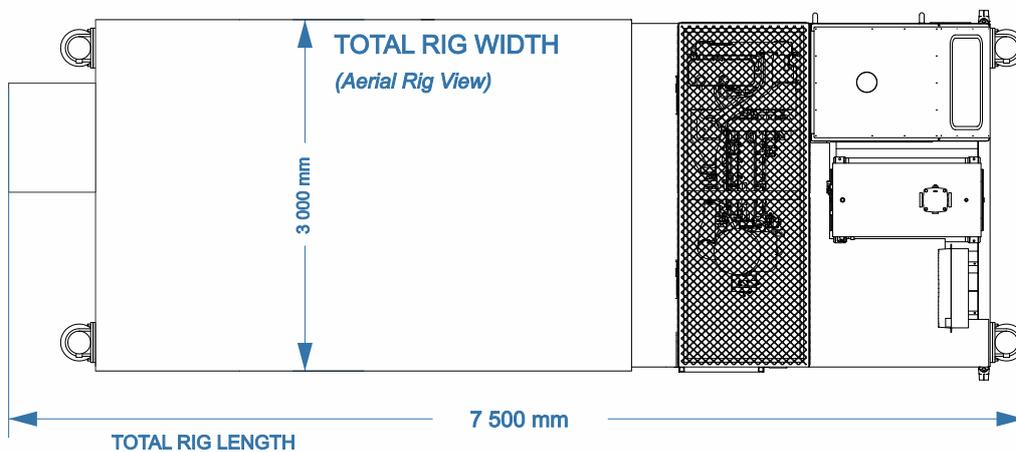
TECHNICAL SPECIFICATION

Maximum Thrust Force	19 Ton / 190 kN
Maximum Retraction Force	18 Ton / 180 kN
Operating System Pressures	250 bar / 25Mpa
Combined Rig Weight	16 Tons

COLOSSAL CPT-150



Pagani CPT Mast 150 mounted on a Morooka track-based rig. (closed position)





COLOSSAL CPT-150



The GeoGroup

GeoGroup comprises of a group of companies, each a leader in its own field, providing a range of services to the geotechnical, civil, mining and energy industries.

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About Geomech Africa

Geomech Africa (Pty) Ltd is an industry leader in the geotechnical investigations in Southern Africa. Certified as a **Level 1 B-BBEE** contributor. Providing drilling and testing services to the minerals exploration market, as well as geotechnical and civil industries in and around Southern Africa and Africa.

Geomechanics has long-term policies of developing operational/maintenance staff and upgrading equipment, to ensure that geotechnical investigations conducted for our clients are accurate, timely, cost effective and easily interpreted.

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