

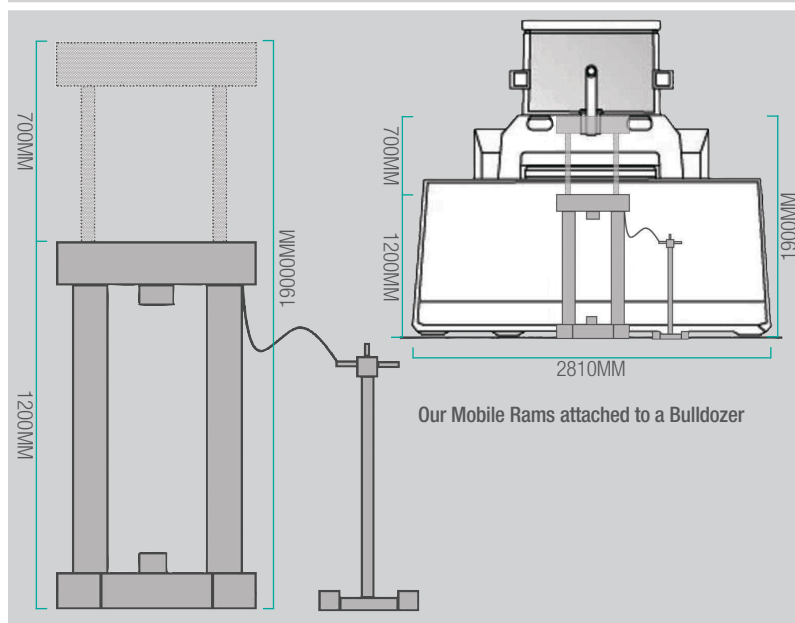
3.5-20 TONNE MOBILE RAMS (CPT004)

This rig is ideal for geotechnical testing when attached to plant machinery (such as a bulldozer or excavator) across soft sites such as tailings storage facilities (TSFs), beaches and highly saturated ground or sites that have restricted access such as basements. It consists of a twin ram system with a maximum stroke of 700mm making it perfect for height restricted sites. The anchoring points on the frame base also mean it can be used as a standalone system (power pack required) by bolting it to the ground. These rams are most commonly used by us for work abroad because they can be mobilised easily at low cost and set up quickly. These compact rams are capable of pushing past depths of 50 metres, depending on the ground conditions.

CPT RIG DETAILS

DRIVE SYSTEM	FIXED TO PLANT MACHINERY
TOTAL WEIGHT	159KG
GROUND BEARING PRESSURE	N/A
CPT RAM THRUST CAPACITY	220 Kn
MAXIMUM PENETRATION	50M + DEPENDING ON THE GROUND CONDITIONS.
PERFORMANCE RATES	100-150M OF TESTING A DAY, DEPENDING ON ACCESS TO POSITIONS.
TYPICAL SITES FOR THIS RIG	TAILINGS DAMS, BOGS, BASEMENTS, BEACHES

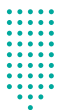
CPT RIG DIMENSIONS



PROJECT REVIEW

In North Eastern Armenia, within the Lesser Caucasus Mountains, In Situ Site Investigation undertook a project in the Teghout Copper Mine. This involved CPTs, MOSTAP sampling and seismic shear wave testing. In Situ has visited Armenia twice previously in Southern Armenia to perform similar projects across Tailings Storage Facilities (TSF).

This project consisted of 15 CPTs, 15 seismic tests and 24 MOSTAP samples, starting at an elevation of 730m and finishing on top of the tailings dam at a current elevation of 780m. The project lasted a total length of 4 weeks with CPT and seismic tests reaching depths of 50m (the deepest onshore single push In Situ have ever made!). MOSTAP samples were recovered with full recovery from depths of up to 18m. The whole project was completed with In Situ's mobile rams attached to the blade of a bulldozer, providing sufficient reaction force to achieve these depths.



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