

# Lizard-200

Hitch-up CPT system

**Geomil**  
equipment

*World's first manufacturer  
of CPT equipment*



The Geomil Equipment Lizard-200 is a hitch-up Cone Penetration Testing (CPT) system to be used in combination with an excavator. It allows for conducting CPT's in near to impossible conditions, such as sites where space is limited and ground anchors cannot be used.

The Lizard supports operations on embankments, dams, slopes, quay walls, shallow waterways and other complicated locations.

Its flexibility and attractive price tag make the Lizard an interesting choice for any geotechnical contractor, as it can be used on almost any project, whereas an excavator will be readily available on most sites.

The deadweight of the Lizard-200 of approx. 2 tons plus the downforce generated by the excavator determine the total reaction force and therefore the thrust force that can be achieved. The ultimate thrust will depend on the excavator's total weight and the extension of the boom, but typically push forces of > 75 kN can be accomplished.

The working platform, secured by a detachable safety fence provides enough space to conveniently accommodate two operators.

If the excavator's hydraulic system is compliant, it can be used to power the Lizard. Otherwise, a standard Geomil powerpack can be used, either directly mounted to the Lizard or positioned at a convenient distance from the unit.

Main characteristics of the Lizard-200:

- solid steel platform which can be forklifted
- rigid push frame with 200 kN thrust capacity
- push frame design allows for the use of the optional Geomil push/pull clamp
- integrated tube rack
- one consolidated mechanical valve block for operation of push frame

Optional supporting items:

- heavy duty excavator hitch tailored to excavator applied
- standard Geomil powerpack
- push/pull clamp
- a weather protected control box for computer and data acquisition system

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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