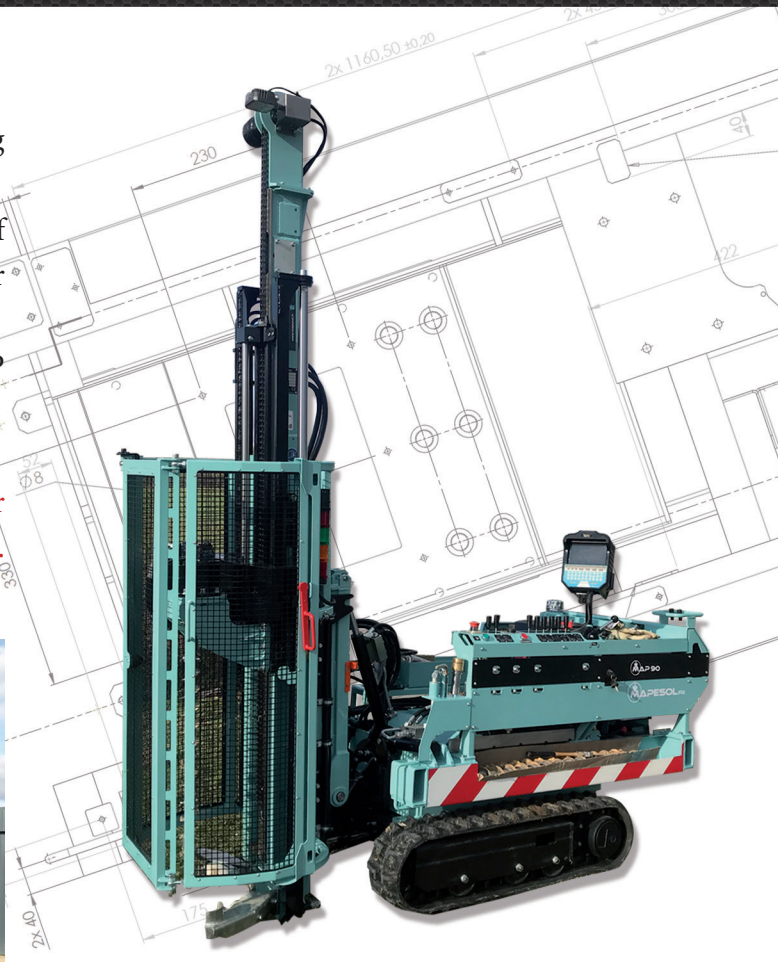
MAP90

Tracked drilling rig / Penetrometer

Drilling rig equipped with a rotating head for auger drilling and a dynamic penetrometer.
Design for no handling (assembly / disassembly of components) to switch from one mode to the other (penetrometer / auger).
A hydraulic machine equipped with a two-cylinder 20.8HP HONDA engine. Mounted on hydrostatic tracks.

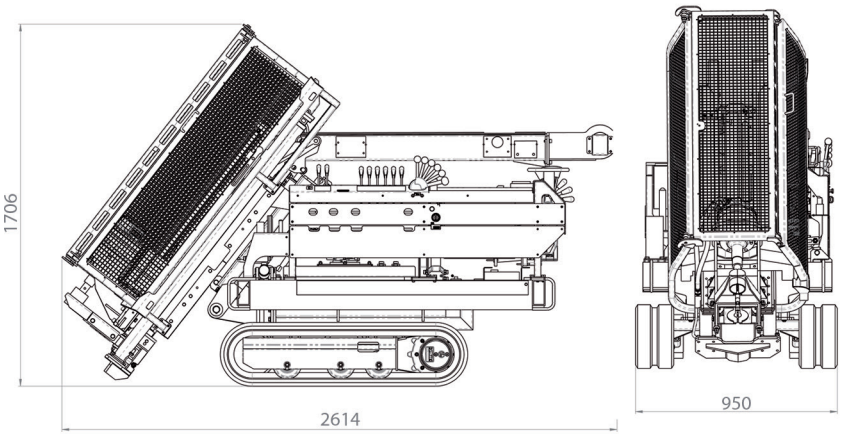
Option: MSbox system for the recording of penetrometer settings (compaction control in accordance with NF P 94 063).



DRILLING:

Rotation head equipped with a 21, 29 or 41mm hexagonal female socket with the following technical specifications:

- **Stroke of 1200mm**
- **Torque of 130daNm**
- **Rotation speed of 0 to 80rpm**
- **Traction force of 2000daN.**



MAPESOL
Matériels et Pénétromètres pour étude de sol

PENETROMETER:

An entirely mechanical dynamic hammering system with a simple design that complies with the NF P 22476-2 standard. Its versatility enables several weight and drop height configurations: DPL (10 kg / 50 cm), DPM (30 kg / 50 cm), DPH (50 kg / 50 cm), DPSH-B (63.5 kg / 75 cm).

Its characteristics also meet the specifications for SPT tests.

Associated with our Msbox data acquisition system, this unit enables compaction control tests in accordance with the NF P94 063 standard.

MSbox V2

MSboxV2, data acquisition unit for dynamic penetrometers specially designed to be installed on a machine. The solutions chosen for its design are a direct result of the latest embedded equipment technologies and client feedback. This development notably resulted in a data acquisition unit equipped with optimised operation software for use with context buttons to avoid touch-screen technology that is highly “unsuitable” for the environments in which penetrometers are used.

The unit is equipped with GPS technology to geolocate each test, a standard micro USB port (data transfers, updates, battery charging) and an integrated camera for taking photographs. The 7” colour screen gives a live view of the penetrograms and the reference curves.

The MSboxV2 calculates and accounts for the anomaly type coming from the NF P 94 063 compaction control standard. The device has an internal battery for total autonomy.

This new unit can be installed instead and in place of the previous systems.

Delivered with Mslog technology for the processing and drawing up of reports on a computer.

- Data processing
- Automatic calculation of anomaly types
- Drawing up of complete reports
- Possibility of inserting pages for appended documents