

SPT-LC SOIL INVESTIGATION MACHINE

SPT-LC is a crawler-type self-propelled multifunctional soil investigation machine. It can perform rotary/auger functions on the same drilling rig, and can also carry out the standard penetration test SPT. It is lightweight, cost-effective, fast and economical, making it an ideal tool for environmental soil sampling.

FEATURES

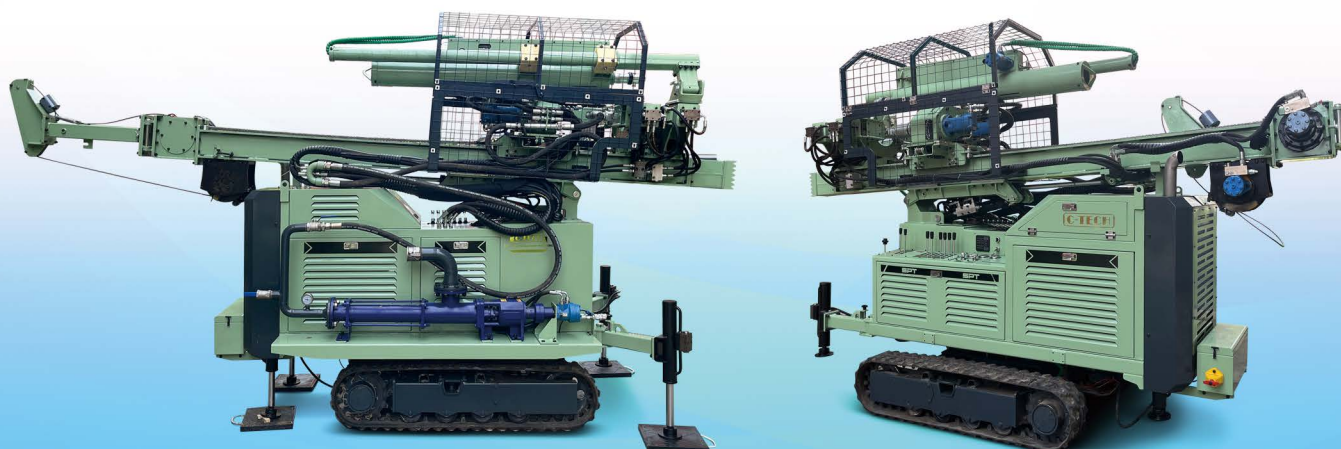
- ⊙ Can be transported on standard vans;
- ⊙ Rubber tracks, four-leg foot for proper levelling at site;
- ⊙ The speed of the rotary head can be switched in 4 grades.
- ⊙ Integrated drop weight system and rotary drilling system.
- ⊙ Equipped with hydraulic winch;
- ⊙ Highly integrated industrial design;
- ⊙ Easy to switch between different functions.

APPLICATIONS

- ⊙ Standard penetration test-SPT.
- ⊙ Soil sampling with percussive core barrels.
- ⊙ Rotary drilling, auger drilling.



SPT-LC SOIL INVESTIGATION MACHINE



TECHNICAL SPECIFICATIONS

Crawlers		
Crawler chassis width (retractable)		Min 790mm, max 1080mm
Crawler chassis length		1200mm
Rubber crawler width		230mm
Max. gradeability		27%
Power pack		
Engine		WEICHAI WP3.2
Rated speed		2500rpm
Power		36.8kW
Fuel tank capacity		45L
Hydraulic oil tank capacity		120L
Rotary head		
Torque		Max. 220daNm
Speed		Max. 900rpm
Stroke		1800mm
Pull up		2500daN
Pull down		2500daN
SPT system		
Drop height		760mm
Drop weight		63.5kg
Mast		
Winch lifting force		500daN
Clamp	Clamping diameter	30-180mm
	Clamping force	6000daN
	Break-out torque	332daNm
Mud pump		60L/min, 80bar
Total weight		2500kg

ACCESSORIES

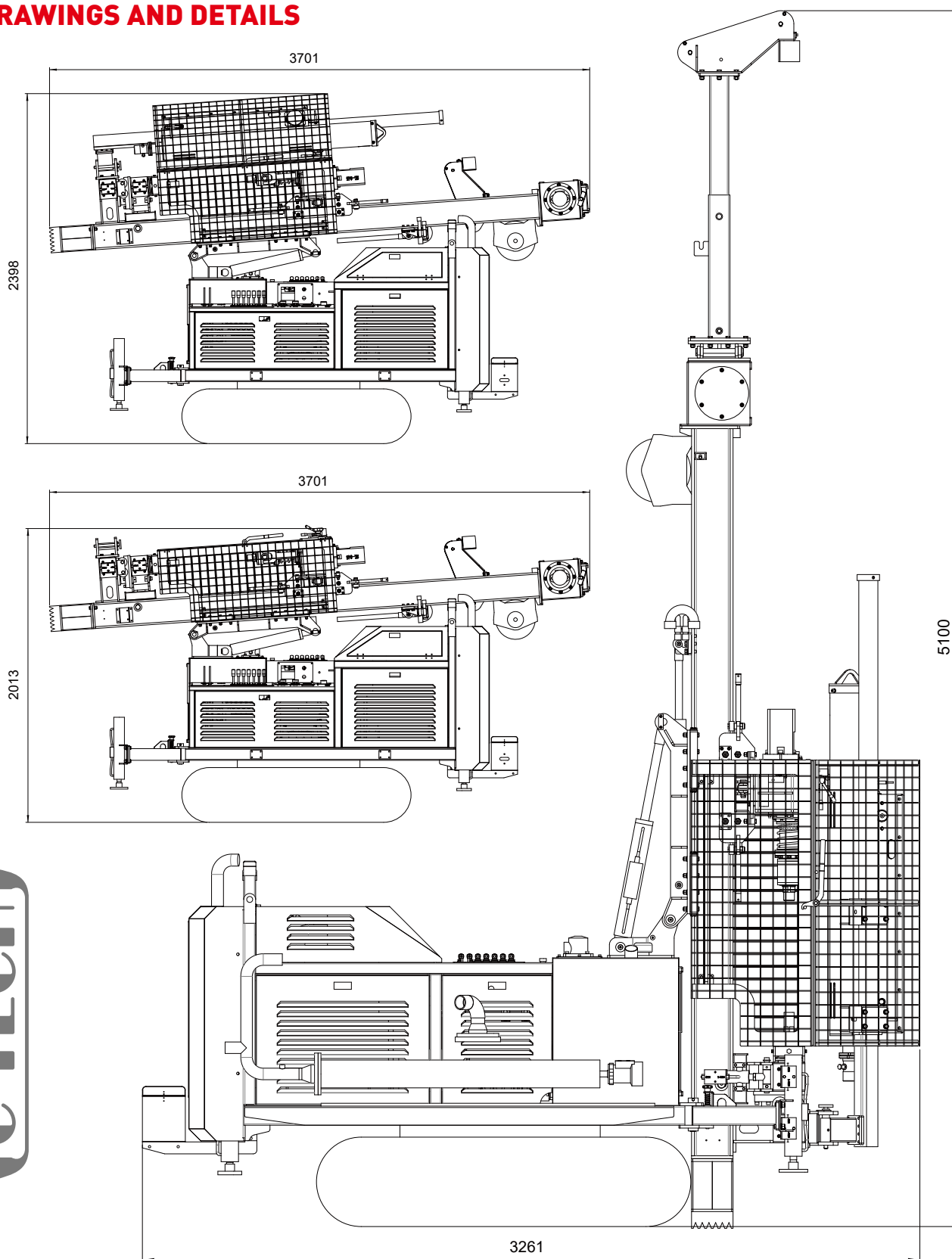
SPT probe rod dia.42mm×1m×11 pcs
 SPT split sampler 1 pc
 SPT probe hoist plug 1 pc
 Wireline coring bit BQ NQ HQ (length 1.5m, optional)
 Core barrel (optional)
 Auger (optional)
 Other drilling tools can be configured as required.



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DRAWINGS AND DETAILS



C-TECH