

OnSite

CONSTRUCTION

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fresatrice Simex con
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SOILMEC

A completely revamped exhibition format

Since its founding in 1969, Soilmec has always focused on developing sound engineering solutions for the foundation world by building product lines designed to improve quality, safety, productivity and profitability on the construction site. In this edition of Bauma, the Company has decided to present itself with a completely revamped exhibition format by putting the customer and his needs at the center.

Large diameter drilling rigs

Based on the experience and success of the first generation, the new SR machines of the Blue Tech line have been designed to improve their productivity and operational flexibility to an ever-greater extent, reducing operating costs and emissions as well as dedicated care on comfort, ergonomics and safety of operator and staff on site. The design of the Blue Tech Lines is based on the optimization of power transmission and on the minimization of energy dissipation. Special focus has been placed on the main parts of the machine normally involved during the work cycle. The range will be represented at the fair by the most successful models for medium-sized machines, including the SR-65, and the new SR-125 platform, which was previewed at Bauma in its Blue Tech guise.

Hydromill

The SC-135 Tiger is Soilmec's flagship. The Hydromill the way it should be: designed to be as productive as the situation demands, unfailingly reliable and able to minimize downtime and maintenance costs. The SC-135 Tiger is equipped with a Caterpillar C27 engine capable of delivering the 708kW power required to work in demanding conditions in terms of depth and panel

size. This over 200 t machine was designed for modular assembly, with a single load transport weight of 45 t. The Bauma 2022 version of the SC-135 Tiger is equipped with the new Soilmec SH-35 excavation module. With an operating weight of between 30 and 38 tons, the SH-35 is assembled on a frame that allows for a wide range of panel thicknesses, from 650 mm to 1500 mm. To ensure a precise verticality and allow correction of any deviation there are 12 instrumented flaps. A new mud pump, hydraulic compensators with improved flow rate and new hydraulic fittings for connecting the motors are some of the developments installed on the equipment.



Micro-drilling rigs

The Soilmec line of micropile machines will be represented at Bauma 2022 by two SM-22 and the new electric machine developed with kinematics capable of guaranteeing an extreme variety of angles and positions in different construction site conditions and with different drilling methods. The Cummins B6.7 engine, available in Stage V version, can deliver the necessary power to offer the correct support for various applications. The machine is equipped with openable hydraulic cages, ROM and SPM operating modes and all accessories

/ devices to ensure the highest level of accessibility, visibility and safety in compliance with the latest safety standards. The Soilmec SM-22 is truly a multi-function micro-drilling rig. Thanks to its modular design it can be easily set up in different configurations such as single rotary, double rotary, top-hammer and vibro-rotary to perform consolidations, micropiles and anchors with different drilling technologies, direct circulation, reverse circulation, DTH, CFA and jet grouting. The novelty of the line, exhibited in preview, will be the SM-13e.

The SR-65 will be configured in the LDP version, appreciated especially for its performance in segmental casing piles, equipped with segmental mast and LHR mast. The choice of this configuration is to highlight its multifunctionality and ease of conversion not only between different technologies but even between different solutions within the same technology. The SR-65 Blue Tech in LDP version is the maximum expression of its dynamic and aggressive character. In fact, the machine was built with a compact design that boasts high mechanical performance that is agile on site and transportable complete with Kelly bar. The SR-125 has been updated to the Blue Tech version which includes a redesigned operator cab, new hydraulic and mechanical systems improved for greater efficiency. The machine has improved characteristics compared to the previous model, HIT, mainly in terms of the performance of the rotary head, with an increased torque value and in the main winch thanks to the adoption of a closed circuit. The machine will be exhibited in CAP/CSP, a technology developed by Soilmec to build diaphragms of piles where the size of the construction site did not allow traditional methods. ■