

PF

International drilling & special foundations magazine

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> GREAT PROJECTS

TBMs begin construction
of Scandinavia's longest rail tunnel

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The top players in the earth moving
market will be at Samoter 2017

> MADE IN ITALY

Italian manufacturers of high quality
machines, equipment and components

soilmec

Drilling and Foundation Equipment

The new Soilmec SR-125 HIT





The “BLUE LINE” of innovation

The new Soilmec product lines have been designed to improve jobsite quality, safety, productivity and profitability. New drilling rig lines to meet the global piling construction industry demand

BAUMA 2016 has been the best stage to show our Customers the new Soilmec “BLUE LINE” products. Since 1969, Soilmec is focused on providing valuable ground engineering solutions. The new Soilmec product lines have been designed to improve jobsite quality, safety, productivity and profitability. New drilling rig lines to meet the global piling construction industry demand. Three new lines, Evolution, Advanced and High Technology to enrich the Soilmec “Solution Provider” concept: the best products, technologies, support and service to fulfil the Customers’ needs. Drilling

rigs designed for a maximum onsite return on investment. The designing drivers of the new product range have been: efficiency, power, performances and flexibility.





Efficiency

The new rigs are manufactured with new Tier-4 Diesel low-emission engines with auto low idle system to optimize the fuel consumption, open crankcase ventilation filters, particulate filters and high temperature regeneration system for up to 90% reduction of particulates and up to 50% reduction in nitrogen oxides. New powerful and lightweight rotaries have

been studied with torque values of more than 20% and pull up force of more than 30%. New winch pull down systems have been implemented with wider winches grooved drums, controlled descent or free-fall type, to optimize the rope use and minimize its wear and a new cylinder crowd system to allow the use of longer casing or very large diameter drilling augers and buckets.





The new "BLUE" generation rigs are equipped with new 1050 mm wide Hcabs, designed all around the operator for the best comfort, control and productivity

Ergonomy

A new cab designed for the operator comfort, ease-of-use and increased productivity. The new "BLUE" generation rigs are equipped with new 1050 mm wide H-cabs, designed all around the operator for the best comfort, control and productivity. The H-cab features large windows for higher visibility, sliding door for easier access and unintentional closing, operator seat with air suspension device, fully adjustable and with additional lumbar support, climate control unit for the best tem-

perature level, load-sensing hydraulic control manipulators and multi-languages adjustable touch screen DMS-ON-BOARD for the real time control of rig parameters and alarms and the real time monitoring and storage of technology parameters.

Modularity

"Something designed to serve several purposes". The Soilmec new rigs can be offered with complementary kits to perform, in addition to conventional Large Diameter Bored piles (LDP), Continuous Flight Au-

ger Piles (CFA), Displacement Piles (DP) as well as to create columns of consolidated soil with Turbojet® technology (TJ).

Safety

Drilling rigs designed in compliance with the new European standard EN 16228. The improvements come together with the new SOILMEC EC Kit that includes: the cabin footplate with frontal access ladder and the guard rails on the upper side of the machine, thus to give a safe access to the operator and facilitate the mainte-



Soilmec brand new drilling rigs designed in compliance with the new European standard EN 16228,

enance operations; a radio remote control for all critical loading and access maneuvers; video cameras and mirrors for 360° visibility all around the rig, led lights for more than 10 lux. In addition, PLC safety control, additional limit switches, new rubber guard protections and automatic alarm during rotation to prevent possible injuries for the workers.

A look ahead

With reference to the ground engineering market situation, at Soilmec we are rather satisfied. Despite the difficult worldwide scenario, we have grown in comparison to the past years, thank to the new products and related new and innovative technological solutions. For the future we expect a gradual recovery in Europe, in the United States and in MEA Countries.

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