



22nd SAMOTER INNOVATION AWARD - ALL THE PROTAGONISTS



Fiori Group S.p.A

WINNER OF THE INTERNATIONAL TECHNICAL INNOVATION COMPETITION

DB X35 BIG BAG - Self-loading mobile mixer for BIG BAG

A concrete mixer capable of automatically loading pre-packaged bags of cement and aggregates to prepare the mixture, thereby reducing work times, dispersion of dust on construction sites and wastage of materials.



Merlo S.p.A.

SPECIAL MENTION FOR INTEGRATED SAFETY

New product range ROTO with Adaptive Stability Control System - ASCS

The telehandler with a telescopic arm extending by up to 35 meters is equipped with a sophisticated anti-tipping system using sensors and algorithms to notify operating limits and machine stability to the operator.



Cangini Benne S.r.l.

SPECIAL MENTION FOR GROUND OPERATOR SAFETY

Mixing bucket safe discharge

Thanks to the automatic system that locks mechanical parts during cleaning operations and the side-mounting of the unload pipe whereby personnel do not have to stand under the tank, this mixer bucket and its safe unload system helps prevent workplace accidents.



Blend Fbg S.r.l.

SPECIAL MENTION FOR PRODUCTION FLEXIBILITY

"Luigi" - Concrete mixing plant for London Underground

The concrete production plant is mounted on a 17 metre-long railway bogie. The automated concrete mixing plant train with battery-powered engines developed for maintenance of rail-beds on the London Underground, the most famous and oldest in the world.



Komatsu Manufacturing Italy S.p.A.

SPECIAL MENTION IN THE USER-FRIENDLY PRODUCT CATEGORY

Display apparatus of wheel type work machine

An interface capable of guiding the operator in a clear and straightforward manner through icons helps simplify complex operations such as changing driving mode with a four-wheel steering machines.



Kobelco Construction Machinery Europe B.V.

iNdr - Integrated Noise & Dust Reduction Cooling System is the outcome of research conducted by Kobelco: a grille that works like a “silencer” on the engines of large vehicles as well as mini excavators. The system helps reduce the noise generated by such machinery by 9 decibels, thereby creating better working conditions for operators in the cab and others in the vicinity. The iNdr also provides an additional dust barrier, thereby ensuring a cleaner engine and better cooling.



Komatsu Manufacturing Italy S.p.A.

The **HB365LC-3 hydraulic excavator** is the second innovation in the contest entered by Komatsu: the machine continues the development of the hybrid engine range inaugurated by the Japanese giant in 2008. The aim is to reduce environmental impact even more significantly without compromising performance. The latest model has a more powerful engine (additional 53 kw) and complies with EU Stage IV standards.



Nord-Lock S.r.l.

The **Expander System** by Nord Lock ensures longer life for the hinge-pins of mobile parts most exposed to wear and tear: unlike traditional models, Expander also is also secured radially for better joint strength and functionality. Expansion bushings work on both ends of the pins and lock them safely even if the hole is worn.



Sampierana S.p.A.

Two Eurocomach-Sampierana entries in the limelight at the SaMoTer Innovation Award.

Eurocomach ES 19 SR4 is a track-laying mini excavator barely 130 cm wide designed for work in extremely confined spaces, at the same time as ensuring maximum operator comfort thanks to a larger cab with servo-controlled operation and the absence of auxiliary pedals. Similar solutions were also implemented on the **Eurocomach ES 12 ZT4**, another ultra-compact excavation system for construction work and green area upkeep.



Simem S.p.A.

Bison is a continuous “do-all” mixing system that can produce up to 500 tons/hour of cements, concretes, eco-paving, bitumen and asphalt. A special feature of the innovation developed by Simem is the machine's ability to produce all kinds of mix using any type of inert material. Bison can also be used to recycle milled material or treat industrial sludge. The system is equipped with a latest-generation electronic control system and is mounted on a semi-trailer to ensure quick and easy transfers and assembly.



Simex Engineering S.r.l.

The **Rumble Strip Planer** project designed and presented by Simex Engineering focuses on road safety. This equipment implements “noise bands” on road surfaces which reduce the likelihood of moving out of lane if drivers fall asleep or are distracted. The advantage of this system is that it can be easily re-configured for continuous asphalt milling, thereby combining two applications into a single technical solution.



SIS-Italy - Road safety systems

Safe Inlet is the innovative road safety device designed by Sis-Italy to prevent accidents caused by driving in the wrong lane. A mobile platform under the asphalt is installed in expressway and motorway exit lanes. If a vehicle takes the wrong lane, the system signals the error with a mechanical judder felt by the driver of the vehicle and any passengers.



Venieri S.p.A.

Veneri has finalised its **new VF 8.63 TL telescopic boom loader** for excavation work handling at work heights of over 5.2 metres. This multifunction machine is ideal for industrial and agricultural sectors alike. The vehicle is equipped with artificial intelligence with an electronic anti-tipping system and a cab designed to ensure maximum operator comfort.

Press Note

SaMoTer staff and Veronafi Press Office is on hand to provide contacts with companies participating in the 22nd SaMoTer Innovation Award for additional information and/or interviews about the products and technologies presented.

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