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The winner Fiori Group Spa and the awarded four special mentions Merlo Spa, Cangini Benne Srl, Blend Fbg Srl and Komatsu Italia Manufacturing Spa

22nd Samoter Innovation Award: The Self-Loading Concrete Mixer by Fiori Group Spa

🕒 30/11/2016 📁 Blog, Events News, Featured, News, Press Release

Special mentions made to Merlo, Cangini Benne, Blend Fbg and Komatsu

Verona, 29 November 2016 – 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. The DB X35 BIG BAG – Self-loading mobile mixer for BIG BAG – to use its technical name – saw Fiori Group Spa win the 22nd SaMoTer Innovation Award.

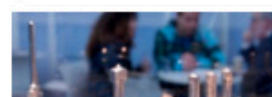
The winner was announced yesterday at Veronafiere during SaMoTer Day, one of the events leading up to the 30th edition of Italy's most important trade fair dedicated to earth moving, site and building machinery scheduled 22-25 February 2017 (www.samoter.it).

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The contest, organized by SaMoTer in collaboration with Imamoter – National Research Council, selects and promotes an international showcase detailing technological progress in the construction equipment industry with the aim of rewarding the investments implemented by companies to develop new products launched on the Italian market in 2017.

"This edition of the SaMoTer Innovation Award," says Antonino Bonanno, researcher at the Imamoter-CNR Institute and President of the jury, "highlighted impressively original technical solutions presented by manufacturers to ensure even safer and user-friendly construction equipment through extensive use of electronics."

In addition to the first prize, the jury comprising leading figures in scientific, academic, research and professional associations, also awarded four special mentions.

Integrated safety is the salient feature of the new Roto range with an Adaptive Stability Control System – ASCS from Merlo Spa: 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.

A special mention for ground operator safety with the mixing bucket safe discharge went to Cangini Benne Srl. The patent covers a new mixer bucket with two devices helping to prevent accidental injuries: the automatic locking mechanism for mechanical parts during cleaning operations and the side hook-up for the discharge tube that avoids personnel having to stand under the tank.

"Luigi" – Concrete mixing plant for London Underground is the name of the concrete production plant mounted on 17 metre long railway bogie built by Blend Fbg Srl. The project took the award made by jury thanks to its production flexibility: the automated concrete mixing plant train with battery-powered engines was developed for maintenance of rail-beds on the London Underground, the most famous and oldest in the world.

The special mention in the user-friendly product category, lastly, went to the Display apparatus for a wheel type work machine by Komatsu Italy Manufacturing Spa: 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 machine.



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Fiori Group Spa:

Video 3D DB X35 Big Bag



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Cangini Benne Srl:



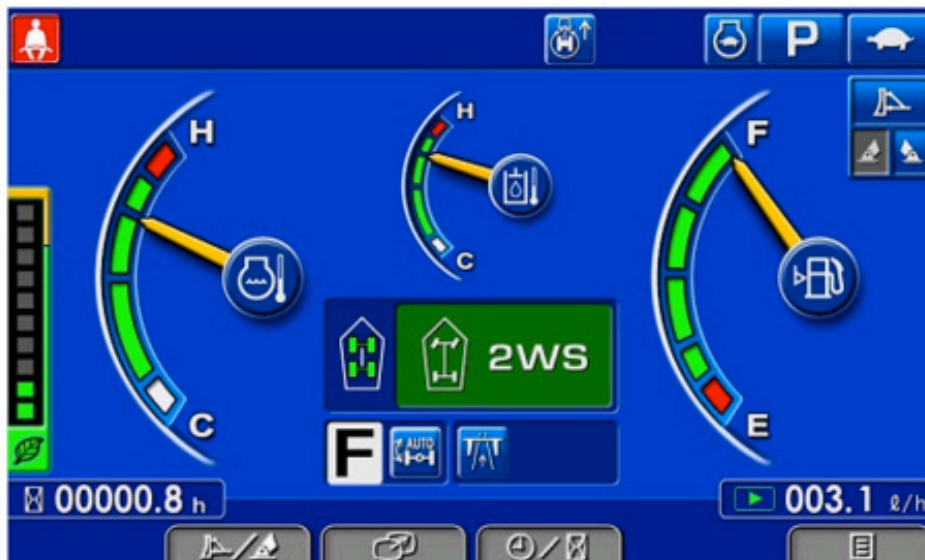
Blend Fbg Srl



Blend Fbg Srl



Komatsu Italia Manufacturing Spa




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.