

## 22nd SaMoTer Innovation Award: the self-loading concrete mixer by Fiori Group Spa

tags: [Samoter Komatsu Innovation Award work machine BIG BAG self-loading mobile mixer](#)

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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Published: 30.11.2016, company: SaMoTer

**SaMoTer**

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

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 **22<sup>nd</sup> SaMoTer Innovation Award**.

The winner was announced today 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.

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.