

Contact: Putzmeister Holding GmbH
Marketing
Max-Eyth-Str. 10
72631 Aichtal, Germany

Tel.: +49 (0)7127 599 311
Fax: +49 (0)7127 599 140
E-mail: marketing@putzmeister.com

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Author: Marketing

Tried-and-tested Putzmeister M47-5 with hybrid agitator at bauma 2025

The lightweight all-rounder M47-5 – now available as an iONTRON Lite model

Aichtal, February 2025 – The M47-5 from Putzmeister has been successful on the market for years because it is ideal for use on medium to large construction sites. The company is presenting a very special machine at bauma 2025 – one that is fully equipped for the European market and comes with an iLS pump including hybrid agitator – the iONTRON Lite Hybrid. It is the perfect entry-level machine for the electrification of construction machines – it will be on display from Monday 7th to Sunday 13th April at the Putzmeister stand in Hall B6.

The M47-5 boasts a gross weight of under 32 tons, a five-arm boom in a roll-Z fold system (RZ), the Ergonic®3 control system and the space-saving, fully flexible TRDI support, which has been tried and tested in challenging set-up situations. The machine is equipped with a tried-and-tested economic Putzmeister 19 iLS pump that can move a huge amount of concrete with a delivery rate of up to 190 m³/h and a pressure of 85 bar. The integration of the iONTRON Lite Hybrid technology from Putzmeister means that the machine can now be used in a more environmentally friendly and cost-saving manner.

iONTRON Lite – automatic start-stop system and battery for idling and washing mode

The M47-5 is also environmentally friendly and economic thanks to its automatic start-stop system: The diesel engine stops automatically when there is a break in pumping – just like in modern cars. In this case, an additional battery powers the agitator so that the concrete does not segregate; the flushing water pump and the high-pressure cleaner are also supplied with power in this way. This system is self-sufficient with a battery capacity of 6 kWh. It is charged during the pumping process with the generator or with the 230 V on-board charger.

Lightweight four-axle machine with convenient manoeuvrability

With a gross weight of under 32 tons, the M47-5 is one of the lightest machines in its class. This is partly due to the four-axle chassis, which is also characterised by its manoeuvrability. This allows the machine to be moved with ease, especially on often very tight construction sites. Thanks to its

low weight, the M47-5 boasts unusually high load reserves for functional fluids and attachments, which makes it even more flexible to use.

Plenty of reach with maximum stability

Its five-arm placing boom in roll-Z fold system (RZ) makes the M47-5 suitable for a wide range of uses. The vertical reach of up to 46.1 m and a horizontal reach of up to 41.1 m make it a genuine all-rounder. The quiet boom with iBC control system (intelligent Boom Control), optimised by the intelligent location of the delivery line and the harmonised flow of the steel structure, guarantees the precise and reliable distribution of concrete with minimal vibrations – ideal for challenging concreting jobs.

Extending the working range with FLEX TRDI support

Another remarkable feature of the M47-5 is the FLEX TRDI support system: It enables precise adjustment of the support positions and ensures maximum reach, stability and safety even under difficult site conditions. The flexible, telescopic support legs with numerous intermediate positions are an excellent solution for construction sites with limited space. The use of the iSC (intelligent Set-up Control) safety system offers a significant reduction in the extent of supports.

Minimal operating costs thanks to innovative technology

In addition to its outstanding performance, the M47-5 also impresses with low operating costs. Maintenance-free components, standardised wear parts (e.g. only four standard elbow types) and reduced functional fluid quantities minimise running costs. Furthermore, the hydraulic fluid management system has been designed to be environmentally friendly and efficient in order to conserve resources and increase machine availability.

With this fully equipped machine for Europe – as can be seen at bauma 2025 – Putzmeister is setting the bar high for effective, economical and safe working.

About the Putzmeister Group

The Putzmeister Group develops and produces machinery of high technological quality in the fields of concrete conveying, truck-mounted concrete pumps, stationary concrete pumps, placing booms and accessories, plant technology, conveying industrial high-density solids through pipes, concrete spraying and transport in tunnels and below ground, mortar machines, plastering machines, screed conveying, injection and specialist applications. Market segments are the construction industry, mining and tunnel construction, major industrial projects, power and sewage treatment plants as well as waste incineration plants worldwide.

The company is based in Aichtal, Germany. With over 4000 employees, the company achieved a turnover of 1 billion euros in the 2023 financial year.

Image 1: The M47-5 truck-mounted concrete pump with Full FLEX support on a four-axle chassis

Image 2: Full FLEX enables the machine to be flexibly supported in (virtually) any situation