



Putzmeister

Mörtelmaschinen

**Made in Germany –
The Mixokret M 740 NEW Generation**



The professional Brinkmann Service Team



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OF BOTH WORLDS**



“Only reliable quality can survive on the market long-term”

For 45 years, Putzmeister has been making mortar machines which stand for durability, reliable quality and excellent value retention. In fact, the Mixokret M 740 was awarded Product of the Year for 2012 and is the most successful screed conveyor in Europe. Now, the construction machinery manufacturer is launching a new generation of the Mixokret pneumatic conveyor. We spoke to Gabriel Muffler, Technical Manager at Putzmeister Mörtelmaschinen GmbH, about the latest developments and an old proven recipe for success.

FussbodenTechnik: Let us begin with a provocative question from the outset: Is the impact of the hammer seen in your new promotional film on the Putzmeister product tests faked?

Gabriel Muffler: (Laughs) It is difficult to believe when you see the scene but it is actually real. The hood, which is a

normal hood used on standard models, survived the impact undamaged. The hammer weighed about 1.5 kg and fell from a height of 10 metres above the machine.

FussbodenTechnik: What material is the hood made from? Or is that a closely guarded secret?

Gabriel Muffler: No, not at all. We use a plastic in the same way as, for example, premium vehicles in the automotive industry. It is a two-component material, which is extremely impact-resistant, robust and durable. Shock and scratch-resistance are also important factors in maintaining the value of these machines.

FussbodenTechnik: That sounds promising. What other surprises do the new generation machines have in store for us?

Gabriel Muffler: Our main focus was to optimise the design of the machines, improve serviceability and maintainability, and maximise efficiency.

FussbodenTechnik: That is quite vague. Can you give us a couple of specific examples?

Gabriel Muffler: Of course. For example, we have integrated a completely

new compressor unit – our own development. Advantages compared to earlier models include a durably higher performance level and improved service and maintenance properties, particularly with respect to the provision of spare parts.

FussbodenTechnik: The service concept appears to play a central role at Putzmeister.

Gabriel Muffler: It certainly does. For this reason, we also relieve the customer, for example, of the need to obtain an MOT certificate for the machine. As of now, we are providing all pneumatic conveyors in the Mixokret and Estrichboy ranges with a pressure tank check as required by law, according to §14 of the Ordinance on Industrial Safety and Health. This means customers can purchase machines that are ready for operation immediately. However, this only applies to machines operated in Germany.



Gabriel Muffler (51) has been the Technical Manager of Putzmeister Mörtelmaschinen GmbH since the beginning of 2012.

Mr Muffler began his career in the automotive industry, where he spent over 12 years working in various roles within the development department

of a well-known automotive manufacturer. He then worked for almost three years as the Head of Development at a company connected to the automotive industry. Finally, he was employed for more than six years as the Head of Technology at a mid-sized mechanical engineering company, before joining Putzmeister.



It can happen:
A 1.5-kg hammer falls from a height of 10 metres above the machine. The robust plastic hood can handle that without a problem.

Sales at Putzmeister Mörtelmaschinen GmbH and Brinkmann under new leadership



FussbodenTechnik: Your customers are surely happy to take up the offer. Are there any other ways in which the new Mixokret machines make daily work easier?

Gabriel Muffler: We have further improved accessibility to all the components. This greatly improves servicing and maintenance work. Also, thanks to a new operating panel layout, on which we have reduced the displays and switches to the absolute minimum, the machine is more ergonomic and easier to operate. The switches and display unit, which is only required for setting up the machine at a new construction site, are protected by a flap during operation.

In addition, we were able to make the components even more finely coordinated with one another and thereby achieve that the material flows more evenly. Last but not least, we have minimised damaging heat impacts in many areas.

FussbodenTechnik: Were these new developments tested in-house before being released onto the market?

Gabriel Muffler: Yes, of course. Before our machines are released onto the market, they must pass a general examination consisting of a series of tests.

FussbodenTechnik: Do you really subject your products to endurance tests as shown in the film, or is anything exaggerated?

Gabriel Muffler: We are convinced that only reliable quality can survive on the

market long-term. We owe that to our customers. Sometimes, we may exaggerate slightly but the daily work on a construction site is by no means a walk in the park.

FussbodenTechnik: Can you please explain to our readers what tests are carried out?

Gabriel Muffler: It would be too much to name them all but, among others, we subject our machines to a continuous operation test, which also runs across very uneven terrain. Then of course, we have the hood impact test, noise tests and a range of consumption and wear measurements.

FussbodenTechnik: What happens if a product fails the test?

Gabriel Muffler: It is then reworked until everything is in full working order. You see, we have placed particular importance on our success factors, quality and durability, for the new Mixokret generation. This is because we know that customers expect reliability from us and because we are convinced that you can only be successful with reliability.

FussbodenTechnik: Is this the type of quality which is renowned around the world for products "Made in Germany"?

Gabriel Muffler: Exactly. This value is regarded in many European countries as the absolute quality assurance. And we have made it our maxim, not simply to talk about it, but to always meet this benchmark.

FussbodenTechnik: Now, you do not produce all the components for the Mixokret and other machines yourselves. How can you guarantee that your suppliers meet the same high requirements that you set yourselves?

Gabriel Muffler: Firstly, we select our suppliers very carefully. Then we carry out stringent receiving inspections. We subject all production, replacement and wear parts to very precise incoming goods controls immediately after we take delivery of them. This is because we are acutely aware of the fact that purchased parts have a large impact on the quality of our products.

FussbodenTechnik: It sounds like you assess yourselves and your partners against very strict criteria.

Gabriel Muffler: Indeed we do. Otherwise, we would not be as competitive or as successful.

FussbodenTechnik: Then we also wish you every success with the new Mixokret and thank you for taking the time for this interview.

On 1st February, Jochen Knecht took over as General Sales Manager at Putzmeister Mörtelmaschinen GmbH and Brinkmann. Having enjoyed much success while responsible for the Middle East and Asia regions, the experienced salesman will now lead worldwide sales for both Putzmeister brands.

Jochen Knecht has been employed in sales with Putzmeister Mörtelmaschinen GmbH and Brinkmann for more than five years. He has been primarily responsible for the Middle East and Asia regions, counting among his achievements the building up of the Dubai branch. Since February 2014, he is shaping global sales of floor screed, fine concrete

and plastering machines. His area of responsibility also includes marketing, product management, the After Sales & Parts Services and order management.

The 46 year-old married father has a total of around 15 years' experience in sales under his belt. He has been admired by customers, among other things, for his openness. "Personal contact with our customers has always been a priority for me. It is the only way in which we can gain specific knowledge of our customers' requirements and further develop our products," stresses Knecht.

It was not least his extensive professional experiences abroad in Singapore and Dubai that made him first choice for this appointment. Before his employment at Putzmeister, Stuttgart-born Knecht spent 10 years working in the Sales and Marketing department of a renowned cleaning equipment manufacturer.



Welcome!

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The Mixokret M 740 NEW Generation is ready to go

As part of the screed conference in February 2014, Putzmeister officially presented the Mixokret M 740 NEW Generation for the first time. The professional public embraced the strategy of Putzmeister and were impressed with its consistent focus on “Made in Germany” quality.

The fourth and latest generation of the world's most sold screed conveyor, the Mixokret M 740 from Putzmeister, was the focus of this year's screed conference in Maschen near Hamburg. Klarmann Bau- und Landmaschinen GmbH, an authorised Putzmeister dealer since 1979, invited screed laying companies from the Hamburg area and Lower Saxony to this event. Representatives from around 50 companies accepted this offer and pursued with great interest the diverse programme of presentations on contract law, the use of rapid screeds and the finishing of floor coverings. The presentation of the latest machine technology from Putzmeister and a subsequent exchange of experiences were a valuable contribution for the North-German public. This time, visitors were particularly enthusiastic to see the unveiling of the M 740 NEW Generation.

Uwe Wilpert, Subsidiary Manager at Klarmann, was also very satisfied with the development of the annual event: “The screed conference here in Maschen has now become a must-attend event and we are welcoming more and more customers year by year. This is down to the fact that we constantly make an effort to compile an attractive programme that meets the needs of customers. We focus on close cooperation ventures with strong partners such as Putzmeister”.

The M 740 NEW Generation – power and durability with “Made in Germany” quality

The M 740 has been impressing users on construction sites all over the world for decades. The latest generation of this all-rounder exceeds its predecessors in terms of robustness, power and processing, and also promises high resale values after years of use. Customers are thus obtaining investment security thanks to tried-and-tested “Made in Germany” quality. Nevertheless, approximately 100,000 test kilometres are part of the standard requirements for new developments at Putzmeister. The M 740 NEW Generation has also been tested on many construction sites since October 2013 and subjected to various endurance tests. For example, a spectacular drop hammer test from 10 m onto the plastic hood, which similar to other test series was captured in the latest Putzmeister product film.



To view the M 740 NEW Generation film: www.pmmortar.de/M740 or the Putzmeister Mörtelmaschinen YouTube channel at www.youtube.com/PMMoertelmaschinen

The most important innovations of the Mixokret M 740 NEW Generation:

- Efficient drive unit with new compressor
- Optimised maintenance and service features for reduced operating costs
- Two-year warranty on engine and compressor for additional investment security
- Innovative exhaust air system and improved cooling capacity
- Completely new control panel with modern control system
- Consistent implementation of applicable safety standards
- Automatic engine speed control for greater economy and resistance to wear
- New, stronger hood shape and design
- New, more reliable radio remote control for scraper
- Low noise levels – only 83 dB(A) at distance of 1 m
- High finishing quality – high resale value
- Pressure tank check ex works incl. (for machines which are operated in Germany)

New ground for Swiss logistics centre

In addition to the resistance of the hood, improved service and maintenance characteristics, as well as user-friendliness, are factors which can be felt directly on the construction site or in the service workshops. The M 740 NEW Generation is designed precisely for these purposes.: "Made to work", as the film highlights.

Furthermore, the powerful engine with a new compressor increases the efficiency and lowers the operating costs.

The powerful drive unit saves fuel and ensures more environment-friendly and consistent pumping characteristics. The material therefore has a more constant flow and there are fewer impacts in the hose lines.



The Mixokret NEW Generation is even easier to service and maintain, extremely easy to operate and provides excellent durability.

Klarmann Bau- und Landmaschinentechnik GmbH

As one of the largest authorised dealers of Putzmeister Mörtelmaschinen GmbH, Klarmann Bau- und Landmaschinentechnik GmbH operates several branches in Lower Saxony and Hamburg. A key area of the business activities is sales and service of plastering machines and screed conveyors from the Putzmeister and Brinkmann brands. The company's head office is located in Westerstede in Lower Saxony. The company has been an authorised dealer for Putzmeister Mörtelmaschinen GmbH since 1979.



The new operating element – everything in view

Several Schenker Schweiz AG logistics centres have received a tough new industrial floor. The Putzmeister SP 11 TMR was in Pfungen, Switzerland to provide its maximum performance level in support of the demanding wet-on-wet construction of an abrasion-resistant hard aggregate screed.

The Schenker Schweiz AG construction project of building a tough new floor at several logistics sites was actively supported by a Putzmeister SP 11 TMR. The machine's owner, Rocland GmbH, which is based in Radebeul and Chemnitz, not only provided their materials ("Qualidur" hard aggregate screed as a premixed dry mortar), but also the right machine for pouring it.

For Rocland's Managing Director, Martin Hübner, customer focus is a top priority: "We want to offer our customers a complete system. To this end, we not only manufacture high-quality dry mortar for industrial floors, but we also rent out the machines as required along with a machine operator."

This is an offer that one Rocland customer, Floorith Betonbodenbau GmbH, was glad to accept. The Lampertheim-based company had to install at least 65,000 m² hard aggregate screed at three sites. This was a huge challenge especially because the floor of a logistics centre is exposed to particularly demanding loads, such as fork-lift trucks. The technicians therefore decided on an extremely wear-resistant hard aggregate screed, which was built with a layer thickness of approx. 10 mm. This

was exactly the right task for the Putzmeister SP 11 TMR with its high-performance four-cylinder engine for large delivery ranges and its large mixer drum. Jebok, the relevant Putzmeister partner, provided instruction for the Rocland company at Rocland's site. The operation ran smoothly and the logistics centre in Pfungen opened on schedule.

Special features of wet-on-wet construction

The term wet-on-wet construction means generally pouring a wet building material onto another wet material, in this specific case pouring the hard aggregate screed onto the still-wet concrete. In this process, it is important that the concrete does not set before the floor screed is applied. Only wet-on-wet construction guarantees sufficient bonding between the concrete and floor screed. It is therefore essential to work continuously and purposefully.

About the SP 11 TMR

The light and compact Putzmeister SP 11 TMR worm pump also enables work to be carried out on extensive construction sites reliably and conveniently. It can cope easily with delivery distances of up to 120 m and a delivery height of 60 m. The standard 2L6 worm pump can operate at a rate of 5 – 60 l/min in rendering applications. The powerful four-cylinder engine allows larger pumps to be installed, such as the 2L75 with five times the delivery rate of 0 – 15 m³/h. This is recommended for self-levelling floor screed applications.



Rocland and Floorith employees from Lampertheim with the SP 11 TMR

The SP 11 TMR processes site mixes, bagged interior and external plaster, coloured mortar, lime cement plaster, base coat plaster, light wall mortar, fire-retardant mortar, ornamental plaster, self levelling floor screed and is also suitable for filling and grouting work.

The biggest advantages of the SP 11 TMR:

- Largest available mixer/feeder container for efficient working progress
- Lifting mixer unit for convenient filling
- Conforms with CE standards, simple, clear operation
- New, extremely effective mixing apparatus
- Infinitely variable pumping rate
- Fully hydraulic pump and mixing drive
- 4-cylinder engine generates 22.7 kW of power, with large 26 l diesel tank
- Excellent soundproofing due to sealed engine compartment

Concrete power for a holiday paradise

The holiday cabins at the Schloss Dankern holiday centre in Haren, Germany are being refurbished one by one. In order to strengthen the foundations of the cabins, a Putzmeister P 718 concrete pump was used and ensured that the construction work was carried out smoothly and, above all, quickly.

Schloss Dankern is a holiday centre in Haren, Germany, with around 730 holiday cabins. It is located right next to the Dankernsee, the largest bathing lake in Emsland, and is an attractive destination, particularly for families. In order to maintain the holiday resort, around ten cabins are refurbished every year. Among other things, this includes extending supply lines and integrating concrete reinforcements.

The task for the Putzmeister P 718 was to pump concrete for the foundations over a distance of up to 150 m to the site of concrete placement, as the narrow paths between the houses were not accessible to a truck mixer.

To complete the work, Putzmeister contractual partner Klarmann Bau- und Landmaschinen GmbH from Westerstede in Lower Saxony, hired out a P 718 including a hose line of approx. 150 m in length.

However, before the 25/30 F6 concrete with 16 mm grain size could be poured in place, the wooden cabins had to be lifted completely using winches and placed on double-T steel beams. Then, the workers laid the lines and prepared the construction site accordingly. Upon arrival of the first truck mixer, they immediately started up the Putzmeister concrete pump.

The Schloss Dankern employees were pleasantly surprised at how quickly and smoothly the concrete was pumped directly to the object and poured in place. It was, therefore, not the last time that the P 718 will be used in this holiday paradise.



The Putzmeister P 718 pumps concrete through hose lines up to 150 m directly to the site of concrete placement.



The foundations were laid quickly and effortlessly.

About the fine concrete pump P 718

With an output of 18 m³/h and a concrete pressure of up to 70 bar, the P 718 is the most powerful fine concrete pump of its kind in the Putzmeister Mörtelmaschinen GmbH product range. It pumps concrete with a grain size of up to 32 mm and can be used flexibly, whether for self levelling floor screed or concreting tasks. The P 718 is therefore proof that high-power concrete pumps can be compact and easy to handle. With its small dimensions, low weight and a roadworthy T-chassis, it is easy to transport to the construction site and to manoeuvre in small spaces.

For the P 718, as for all machines, Putzmeister only uses robust, wear-resistant and durable components, such as hard-chrome plated cylinders for the piston pump. In addition, the plastic hood is very light and hard-wearing, and exposes hardly any surfaces to the risk of contamination. Overall, Putzmeister has placed great importance on the comfortable operation, ease of service and highest possible reliability for the P 718. For this reason, the high-power, low-noise engine, the core pump, hydraulics, delivery pistons and the agitator are easily accessible, easy to maintain and optimised with regard to wear and operating costs. The operating elements are fitted ergonomically and arranged clearly.

Only professional service for your Estrichboy or Trans Mix

When it comes to advice, maintenance, repairs and ordering spare parts, our Brinkmann service team is first class. In the event of a problem, our professionals are ready to provide you with expert help either on site or by telephone.



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