



Putzmeister

Semi-dry floor screed

Self levelling
floor screed

Plaster/fine plaster

Shotcrete

Fine grained concrete

Special applications



Valid from 08/2023

Application overview

Screed conveyors, plastering machines, fine concrete pumps

Innovation from tradition – performance from passion

Once upon a time...

almost 60 years ago The story of Putzmeister began with the development and manufacture of a mortar machine – the KS 1. The first mechanical mortar pump anywhere in the world.

As innovative now as it was then

That was way back in 1956 – today we offer one of the most comprehensive state-of-the-art machine portfolios for a wide variety of different applications. Whether semi-dry screed, self levelling floor screed, plaster, fine grained concrete or shotcrete – we offer a range of machines ideal for mixing and pumping.

Adapted to all your wants and needs

Each of our products is an expert in its field – some are even the master of several. All components are designed for a specific purpose as for example, plastering applications have different requirements to screed-laying tasks. However, one thing that all machines have in common is a focus on performance, durability and reliability – in every area.



Machines for screed Pages 4–5

- Conventional, semi-dry screed

Machines for self levelling floor screed Pages 6–7

- Anhydrite floor screed
- Cement floor screed

Machines for plaster/ fine plaster Pages 8–9

- Coarse/fine plasters
- Interior/exterior plasters


Machines for fine grained concrete/shotcrete Pages 10–11


- All types of fine grained concrete
- Spraying concrete
- Delivering concrete


Machines for special applications Pages 12–13

- Concrete repairs
- Geothermal drilling
- Fire protection
- Glass-fibre-reinforced concrete
- Injecting/grouting
- Masonry mortar
- Sand, aggregate, gravel
- Filling/pointing concrete
- ETICS

Legend

 **SM** – Site mix
(water, aggregate, binder)

 **PDM** – Premixed dry mortar
(bagged goods or combination from silo and flow-type mixer)

 **RMM** – Ready mixed mortar
(ready mix wet material from container or truck mixer)

We rely on durability and quality

We believe that only quality prevails. Like many of our customers, we also rely on the “**made in Germany**” quality standard. However, you and the individual challenges you face on the construction site set the highest standard.

- Main/drive components developed by Putzmeister or renowned German manufacturers
- More than 200 employees work hand in hand – in Development, Production and Quality Assurance
- Quality assurance – 100,000 test kilometres for every new development
- Power for every application – our machines are more efficient and economic because they operate at a low speed range
- Maximum service life and wear resistance of all materials and components



Mixokret screed machines – at home on any construction site and ideal for a host of applications

Machines recommended for:

- Floor screed
- Sand
- Aggregate

The Mixokret M 740 Stage V and Mixokret M 760 Stage V stand for maximum output combined with maximum economic efficiency and reliability. Consistent quality “made in Germany”.

Almost all the main and drive components such as engines and compressors on our machines are a product of German development and manufacturing.

All models from the Mixokret range operate with compressed air according to the plug conveyance principle. These machines are specially designed for semi-dry materials.

Mixokret M 740 Stage V

Mixokret 740 compressed-air conveyor

Delivery rate*	4,0 / 4,8 / 5 m³/h
Delivery range*	180 m horizontal / 90 m vertical (30 storeys)
Diesel engine	Diesel, Deutz 3-cylinder with turbocharger, 36.4 kW (Stage V emission standard)
Chassis	braked, approved for speeds up to 80 km/h
Max. particle size	16 mm
Mixer drum	260 l, 200 l useful capacity

Models: M 740 D/DB (with feeder)/DBS (with feeder and scraper)
Material: Site mix

* The data is based on experience and depends on the materials used.



Mixokret M 760 Stage V

Mixokret 760 compressed-air conveyor

Delivery rate*	4 / 4.8 / 5 m³/h
Delivery range*	200 m range / 150 m high (50 storeys)
Diesel engine	Diesel, Deutz 3-cylinder with turbocharger, 44.5 kW (Stage V emission standard)
Chassis	braked, approved for speeds up to 80 km/h
Max. particle size	16 mm
Mixer drum	260 l, 200 l useful capacity

Models: M 760 DH/DHB (with feeder)/DHBS (with feeder and scraper)

Material: Site mix

¹ Export version Mixokret M 760 Non-EU:
 Diesel engine: 4-cylinder Deutz, 46 kW at 2600 rpm
 (Not available in the European Union)



Advantages

- Economical engine
- Even pumping characteristics, constant material flow
- Sturdy, hard-wearing canopy
- Optimised maintenance and service features
- Robust design ensures value retention and high resale values
- Highest safety standards for the machine operator

The following machines can also be used for this application:



M 500

M 700



M 760 Non-EU

Self levelling floor screed machines – economical solution for large screed applications

Machines recommended for:

- Anhydrite floor screed
- Cement floor screed



SP 11 THF

Economical and user-friendly operation for a wide range of liquid screed applications. These worm pumps guarantee a reliable, continuous material flow, even when conveying screeds containing plastic or metal fibres.

SP 11 THF

Delivery rate*	0 – 15 m ³ /h
Delivery range*	80 m horizontal, 30 m vertical (10 floors)
Diesel engine	Kubota 3-cylinder diesel ; 18.5 kW at 3,000 rpm (Stage V)
Chassis	unbraked, suitable for road use < 750 kg
Max. particle size	8 mm
Feed hopper	220 l

Other applications: –
Material: Ready mixed mortar



Advantages

- Delivery rate up to 15 m³/h
- Ideal for loading with truck mixer
- Large toolbox (100 l)
- Large hopper for efficient working progress
- Infinitely adjustable delivery rate
- Easy to service, clean and maintain

* The data is based on experience and depends on the materials used.



SP 20 GHF / SP 25 DHF

This well-engineered machine technology ensures a constant material flow when conveying anhydrite and cement floor screed, when used both as a stationary and trailer concrete pump.

	SP 20 GHF	SP 25 DHF
Delivery rate*	20 m ³ /h	20 m ³ /h
Delivery range*	Max. range: 200 m horizontal, 60 m vertical	
Engine	4-cylinder petrol Kubota, 37 kW (Stage V)	Kubota 3-cylinder diesel, 37 kW (Stage V)
Chassis	unbraked, suitable for road use < 750 kg	braked, suitable for road use
Feed hopper	160 l	250 l

Other applications: –
Material: Ready mixed mortar



Advantages

- Powerful equipment complying with Stage V emission standards
- Available with a 2L8 or 7515 worm pump
- Central control panel with intuitive keypad and clear display
- Large hopper with vibrating screen, ideal for filling with truck mixers
- Robust construction – tried and tested on site and on the and on the test track



**The following machines can also be used
for this application:**



MP 25



S 5 EF



P 720

Plastering machines – for plastering more efficiently and conveniently

MP 25

Lightweight and easy to dismantle into component groups. Compact and powerful pump for mixing and delivering varied materials.

MP 25 – Mixing pump

Delivery rate*	25 l/min
Delivery range*	Max. range: 40 m horizontal, 15 m vertical
Electric engine	5.5 kW at 385 rpm, 400V, 50 Hz
Max. particle size	4 mm
Mixer drum	115 l



Advantages

- Ready for immediate use as accessories are included
- Powerful electric motor
- Conical mixing pipe easy to clean
- Integrated water booster pump

Models: MP 25 – 3 × 400 V 50 Hz / 3 × 220 V 60 Hz
Other applications: Fire protection mortar, self-levelling compound, interior plaster (gypsum/gypsum-lime plaster), exterior plaster (lime, lime cement and insulating plaster) ETICS
Material: Premixed dry mortar

S 5 EV/EVTM

Modular system with easily replaceable pump components or option of attaching a pan mixer for greater versatility.

S 5 EV and S 5 EVT M – Worm pump

Delivery rate*	7–40 l/min
Delivery range*	Max. range: 60 m horizontal, 40 m vertical
Electric engine	5.5 kW, 400V, 50 Hz
Max. particle size	6 mm
Mixer drum	80 l (S 5 EVT M only)

Models: S 5 EV, S 5 EVT M

Other applications: Rough finish plaster and adhesive bridges, masonry, adhesive, refurbishing and fire protection mortar, water-proofing slurry, injection and filling mortar, glass-fibre-reinforced concrete, insulating plaster and many more.



Advantages

- Pan mixer is easy to retrofit (extended version S 5 EVT M)
- Quick pump changes and extensive range of accessories for greater versatility
- Infinitely adjustable delivery rate

Available in S 5 EF version for self levelling floor screed.

Material: Premixed dry mortar

SP 11 LMR

Decisive extra power for large construction sites. In terms of costs and wear, the ideal system for applying interior and exterior plaster such as coloured, lime cement, base or ornamental plaster.

SP 11 LMR – Worm pump

Delivery rate*	5 – 60 l/min
Delivery range*	Max. range: 60 m horizontal, 40 m vertical
Diesel engine	3-cylinder Kubota, 16.3 kW at 2,600 rpm (emission category Stage V)
Chassis	unbraked, suitable for road use < 750 kg
Max. particle size	6 mm
Mixer drum	180 l

Other applications: Light masonry or fire protection mortar as well as filling and grouting work, concrete repairs

Material: Premixed dry mortar



Advantages

- Largest available mixer/feeder container
- Lifting mixer unit with conveniently low filling height
- Simple installation of powerful worm components (2L75) e.g. for pumping self levelling floor screed

SP 25 DQR

In terms of cost, wear and tear and ease of use, the ideal system for applying interior and exterior plaster, such as coloured plaster, cement plaster, base plaster or decorative plaster.

SP 25 DQR – Screw pump

Delivery rate*	0,3 – 4,5 m³/h (2L6), optional: up to 15 m³/h (2L75)
Delivery range*	Max. range: 70 m horizontal, 50 m vertical
Diesel engine	Kubota 3-cylinder diesel, 28 kW (Stage V)
Chassis	braked, suitable for road use
Max. particle size	6 mm (2L6), 8 mm (2L75)
Mixer drum	240 l

Other applications: self-levelling screed, concrete renovation, filling, injection, pipe and network work, etc.

Material: ready-to-use and bagged materials, site mixes



Advantages

- Large 240-litre lift mixer for mixing large quantities of materials
- The lower filling height makes it easier to fill and clean the mixer
- Engine and compressor power

The following machines can also be used for this application:



P 12

P 13

* The data is based on experience and depends on the materials used.

Fine grained concrete/shotcrete pumps – with concrete pump power under the canopy

Machines recommended for:

- All types of fine grained concrete
- Spraying concrete
- Delivering concrete

P 720

The ideal machine for delivering fine grained concrete as well as shotcreting and grouting work. The hydraulically driven, low-set agitator keeps the mix homogeneous and guarantees a constant material flow, even when processing extremely coarse materials with a grain size of up to 16 mm.

P 720 – Hydraulic piston pump

Delivery rate*	3 – 21 m ³ /h
Delivery range*	up to 300 m horizontal and 100 m vertical With shotcrete/fine grained concrete, up to 100 m horizontal and 80 m vertical
Diesel engine	3-cylinder Deutz diesel with turbocharger, 44.5 kW (Stage V)
Chassis	road chassis (TD), stationary pump (SD)
Max. particle size	16 mm
Hopper capacity	250 l / 280 l (with rubber attachment collar)

Models: P 720 TD / SD – Diesel engine, P 720 TE / SE – Electric engine
Other applications: Anhydrite and cement floor screed
Material: Ready mixed mortar

Advantages

- Latest-generation engine technology – clean and efficient. Meets all the requirements of the current Stage V emissions standard.
- New central control unit with intuitive keypad on the right on the right-hand side of the machine
- Optimised fuel consumption with Ergonic® Output Control (EOC)
- At less than 1900 kg, it's the lightest fine concrete pump on the market
- Extremely robust piston pump unit



* The data is based on experience and depends on the materials used.

P 730

Same technology as large Putzmeister concrete pumps packed into the smallest space. The ideal machine for performing small concreting tasks in confined spaces with a maximum concrete grain size of 32 mm. Available in trailer and stationary versions.

P 730 – Hydraulic piston pump

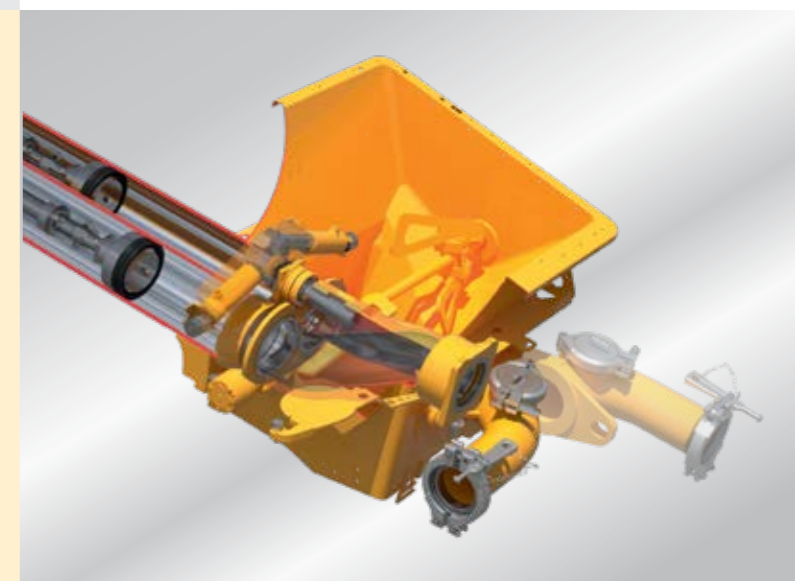
Delivery rate*	3 – 30 m ³ /h
Delivery range*	up to 300 m horizontal and 100 m vertical With shotcrete/fine grained concrete, up to 100 m horizontal and 80 m vertical
Diesel engine	3-cylinder Deutz diesel with turbocharger, 55.4 kW (Stage V)
Chassis	road chassis (TD), stationary pump (SD)
Max. particle size	32 mm
Hopper capacity	300 l / 360 l (with rubber attachment collar)

Models: P 730 TD / SD – Diesel engine, P 730 TE / SE – Electric engine
Other applications: Anhydrite and cement floor screed
Material: Ready mixed mortar



Advantages

- Better performance and higher flow rates
- Latest-generation engine technology - clean and efficient. Meets all the requirements of the current Stage V emissions standard
- Comprehensive standard equipment
- Large 360 l capacity hopper
- Stabilisers for stable positioning
- Made in Germany



The following machines can also be used for this application:



P 13



P 715



P 718

Special applications

Concrete repairs

Damaged concrete parts are repaired using polymer-modified mortar. This is delivered in the form of premixed dry mortar and predominantly processed on the construction site using worm pumps.

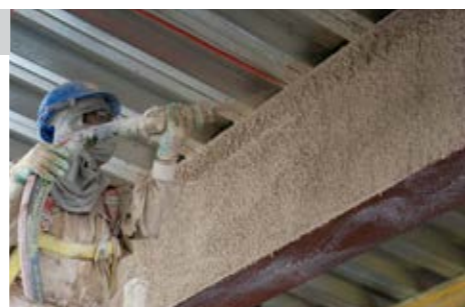
Recommended pumps:
P 12, S 5 EV/EVTM, SP 11 LMR, SP 25 DQR



Fire protection

Fire protection mortar protects structures and elements such as steel girders against high temperatures. The mortar protects for a certain duration and temperature depending on the type and characteristics of the material as well as the application thickness.

Recommended pumps:
S 5 EV/EVTM, SP 11 LMR, SP 25 DQR



Sand, aggregate, gravel

Sometimes larger quantities of different filling materials have to be transported to the construction site, a task that is much quicker with the right Putzmeister machine.

Recommended pumps:
M 500, M 700, M 740, M 760



ETICS

To provide heat insulation in buildings, insulating boards are secured to a level surface on the existing exterior plaster using a special cementitious adhesive.

Recommended pumps:
P 12, MP 25, S 5 EV/EVTM, SP 11 LMR, SP 25 DQR



MP 25

Description, see page 8



P 12



S 5 EV/EVTM/S 5 EF

Description, see page 8



SP 11 LMR,
SP 25 DQR

Description, see page 9



P 13



P 720

Description, see page 10

Injecting/grouting

Over the years, plaster slowly becomes brittle due to weathering, for example, and voids gradually form behind the walls and must be filled with mortar (injected).

Recommended pumps:
P 12, S 5 EV/EVTM, SP 11 LMR, SP 25 DQR, P 13, P 720



Geothermal drilling

In order to exploit environmentally friendly energy sources, mortar machines mix filling mortar and convey it to depths of 120 m. Premixed dry mortar is processed or separate mixes are prepared.

Recommended pumps:
S 5 EV/EVTM, SP 11 LMR, SP 25 DQR, P 13, P 720



Filling

The voids are filled with a special frame filling mortar to increase the strength and stability of steel door frames. Protecting dikes and coastlines with a breakwater using bedding mortar is an environmentally friendly and effective approach to flood management.

Recommended pumps:
P 12, S 5 EV/EVTM, SP 11 LMR, SP 25 DQR, P 13



Glass-fibre-reinforced concrete (GFC)

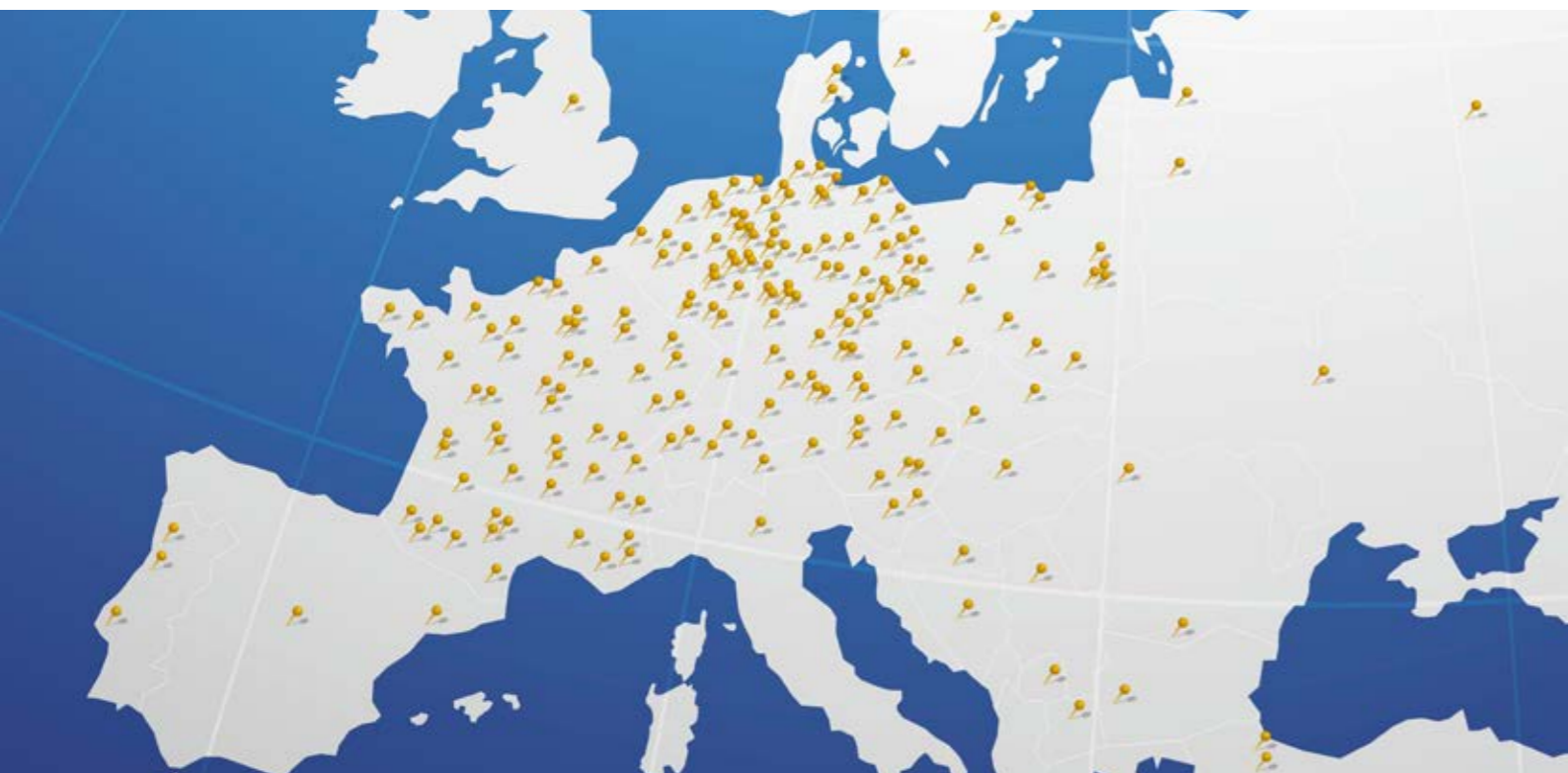
GFC is mostly used in the manufacture and design of extremely thin-walled, lightweight façades.

Recommended pumps:
S 5 EV/EVTM



* Only limited suitability as an additional application

Putzmeister Service – always near you



Work more efficiently with Putzmeister training courses

Gather first-hand information in the Putzmeister academy and share practical knowledge that can be applied to your daily working routine.

We offer you

- Technical training on the design characteristics and functions of the original machine
- User training on handling and economical operation of Putzmeister machines
- Individual seminars held at your own company
- Special seminars for sales partners that discuss current sales information
- State-of-the-art facilities for staff and customer training
- Trainers with extensive practical experience
- Interesting, easily comprehensible transfer of knowledge
- Detailed training documentation

Advantages

- Save time and money – rectify minor faults and perform simple maintenance tasks independently
- Correct machine operation for greater working efficiency
- Prevent incorrect operation – increase availability

The maximum availability of your machine must be guaranteed. Our reliable service team will be glad to help if the worst comes to the worst. To make sure you are not kept waiting, we work with a large network of competent service partners located all over the world.



Fast delivery of original spare parts

We have a large warehouse at our main plant in Aichtal and our service support points, where we stock all our spare and wear parts. Consequently, we can deliver all the parts you need at the drop of a hat. The same applies for our quality accessories. We keep the most common parts from our extensive assortment in stock at all times.

Our electronic spare part catalogue provides a comprehensive overview of all parts. Simply enter your machine number or part number to display the relevant spare parts. Click on the "Service" menu item on our homepage at www.pmmortar.de for more information.



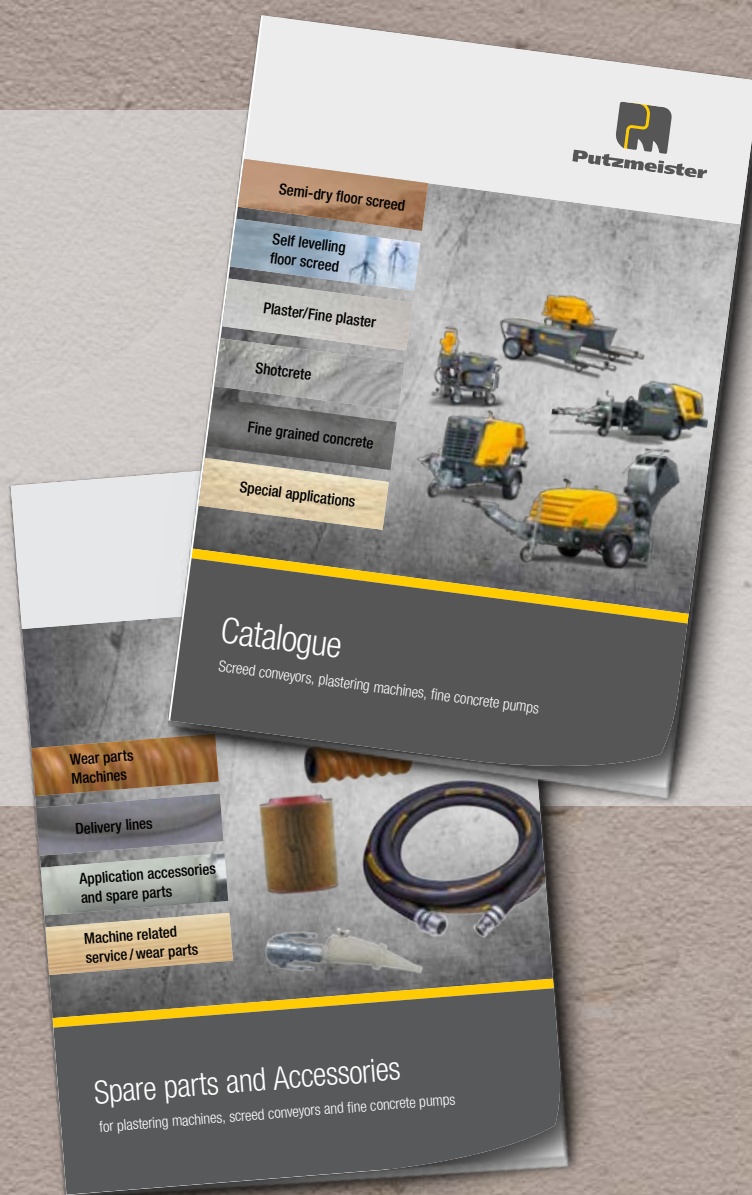
Your benefits at a glance

- Service centres in more than 150 countries worldwide
- **Putzmeister service hotline: +49 7127 599-699** or e-mail: PMTservices@putzmeister.com
- Competent contact partners
- Fast, uncomplicated order processing
- Short delivery times for machines, spare parts, and wear parts
- Certified original parts, 12,000 different items kept in stock
- Eco-friendly machines
- Fair pricing
- Made in Germany
- Manufacturer inspection according to German Engineering Federation requirements (certified as per EN ISO 9001)
- Individual training courses and seminars in the Putzmeister Academy

Read our product catalogue for a complete, detailed overview of all application solutions.

Or are you interested in purchasing spare parts and other accessories? You can find everything you will need for your machine in our accessories catalogue.

Ask your Putzmeister dealer or contact us directly. We will send you all the relevant information immediately.



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