Putzmeister

Semi-dry floor screed

Self levelling floor screed

Plaster/fine plaster

Shotcrete

Fine grained concrete

Special applications



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.





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

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
- 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)

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 and Mixokret M 760 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

Mixokret 740 compressed-air conveyor

Delivery rate*	3.8 / 4.6 / 5 m³/h
Delivery range*	180 m horizontal / 90 m vertical (30 storeys)
Diesel engine	3-cylinder Deutz, 33.5 kW at 2,500 rpm (emission category 3A)
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)
Other applications: Sand, fine grained concrete, lean concrete, aggregate with max grain size of 16 mm
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	4-cylinder Kubota, 48.5 kW at 2700 rpm (emission category Stage V) [1]
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)
Other applications: Sand, fine grained concrete, lean concrete, aggregate with max grain size of 16 mm
Material: Site mix

[1] Export version Mixokret M 760 Non-EU:
Diesel engine: 4-cylinder Deutz, 46 kW at 2600 rpm (emission category 3A)





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 / SP 20 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	SP 20 THF
Delivery rate*	0–15 m³/h	0–20 m³/h
Delivery range*	100 m horizontal, 60 m vertical	200 m horizontal
Diesel engine 4-cylinder Kubota	22.7 kW at 2,600 rpm (emission category 3A)	33 kW at 3,000 rpm (emission category 3A)
Chassis	unbraked, suitable for road use	
Max. particle size	8 mm	8 mm
Feed hopper	220 l	

Other applications: –
Material: Ready mixed mortar





Advantages

- Delivery rate up to 20 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.

P 715

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.

P 715 – Hydraulic piston pump

Delivery rate*	4–17.4 m³/h
Delivery range*	Max. range: 300 m horizontal, 100 m vertical
Diesel engine **Electric engine**	3-cylinder Deutz, 34.5 kW (emission cat. 3A) 30 kW, 400 V, 50 Hz
Chassis	braked, approved for road use (TD/TE)
Feed hopper	280 l

Models: P 715 TD / SD – Diesel engine, P 715 TE / SE – Electric engine
Other applications: Conveying fine grained concrete, shotcrete, grouting work
Material: Ready mixed mortar





Advantages

- Hard chrome plated cylinders that wear more slowly
- S transfer tube with flow-optimised design
- Optional air chamber for reducing pump surges
- Lightweight plastic canopy that is easy to maintain
- Rust-resistant body
- Canopy opens with the press of a button
- Easy access to the agitator



The following machines can also be used for this application:


MP 25


S 5 EF


P 13


SP 20 THF

Plastering machines – for plastering more efficiently and conveniently

Machines recommended for:

- Coarse and fine plasters
- Exterior and interior plasters



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 EVTM – Worm pump

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

Advantages

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

Models: S 5 EV, S 5 EVTM
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.
Available in S 5 EF version for self levelling floor screed.
Material: Premixed dry mortar

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 392 rpm, 400 V, 50 Hz
Max. particle size	4 mm
Mixer drum	115 l

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



Advantages

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

P 13

Tough machine – powerful, robust and low-maintenance pump for different regional site mixes, in particular sand. For interior and exterior plasters: Coloured, cement and lime cement plaster, scratch plaster.

P 13 – Piston pump

Delivery rate*	20–80 l/min / 30–90 l/min
Delivery range*	Max. range: 150 m horizontal, 80 m vertical
Diesel engine	2-cyl. Lombardini, 14.5 kW at 2,800 rpm (without emission category)
Electric engine	7.5 kW at 2,900 rpm, 400 V, 50 Hz
Chassis	unbraked (braked optional available)
Max. particle size	6/8 mm
Mixer drum	170 l

Models: P 13 DMR/EMR: KA 139, P 13 DMR/EMR: KA 230
Other applications: Self levelling floor screed, fine grained concrete (8 mm maximum particle size), grouting, filling, masonry and cement mortar, bentonite slurry, pumpable sand with maximum grain size of 8 mm
Material: Premixed dry and ready mixed mortar, site mixes



Advantages

- Purely mechanical, robust machine
- Large trap mixer achieves an excellent mixing quality
- Good accessibility – service and maintenance-friendly

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
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

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

The following machines can also be used for this application:


S 5 EV


MP 20 EV

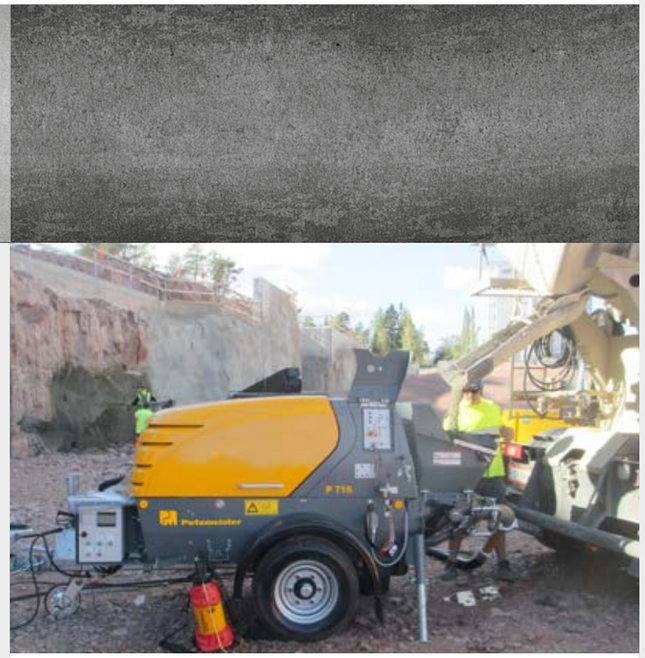

P 12


SP 11 TMR

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 715

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 715 – Hydraulic piston pump

Delivery rate*	4–17.4 m³/h
Delivery range*	Max. range: 100 m horizontal, 80 m vertical
Diesel engine	3-cylinder Deutz, 34.5 kW (emission category 3A)
Electric engine	30 kW, 400 V, 50 Hz
Chassis	T chassis 1,900 kg / runner
Max. particle size	16 mm
Hopper capacity	250 l / 280 l (with rubber attachment collar)

Models: P 715 TD / SD – Diesel engine, P 715 TE / SE – Electric engine
Other applications: Anhydrite and cement floor screed
Material: Ready mixed mortar



Advantages

- Reliable hydraulic control for greater efficiency
- Reliable oil-cooled 3-cylinder Deutz diesel engine or more environmentally friendly electric engine (30 kW)
- Operating and control elements positioned ergonomically on one side
- Switches and displays within easy reach and visual range

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

P 718

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 718 – Hydraulic piston pump

Delivery rate*	4–17.4 m³/h
Delivery range*	Max. range: 100 m horizontal, 80 m vertical
Diesel engine	3-cylinder Deutz, 34.5 kW (emission category 3A)
Electric engine	30 kW, 400 V, 50 Hz
Chassis	T chassis / runner
Max. particle size	32 mm
Hopper capacity	360 l

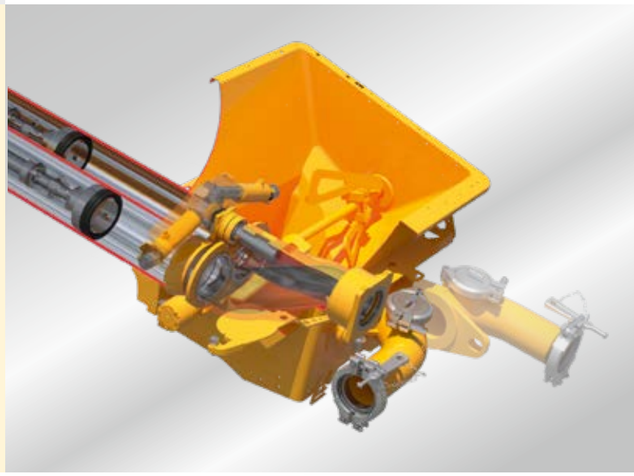
Models: P 718 TD / SD – Diesel engine, P 718 TE / SE – Electric engine
Other applications: Anhydrite and cement floor screed
Material: Ready mixed mortar





Advantages

- Hard chrome plated cylinders and robust design minimise wear
- Geometry of the S transfer tube adapted to coarse materials (32 mm maximum particle size)
- 68 bar pressure at low speed – preserves the aggregate and saves fuel
- Large hopper with capacity of 360 l
- Lightweight plastic canopy that is easy to maintain
- Rust-resistant body



The following machines can also be used for this application:



P 13

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 / TMR



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 / TMR



Sand, aggregate, gravel

Sometimes larger quantities of different filling materials have 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 20, MP 25, S 5 EV / EVTM, SP 11 LMR / TMR



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 / TMR, P 13, P 715*



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 / TMR, P 13, P 715



Filling/pointing

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 / TMR, 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



MP 25

Description, see page 8



P 12

Description, see page 8



S 5 EV / EVTM / S 5 EF

Description, see page 8



SP 11 LMR / TMR

Description, see page 9



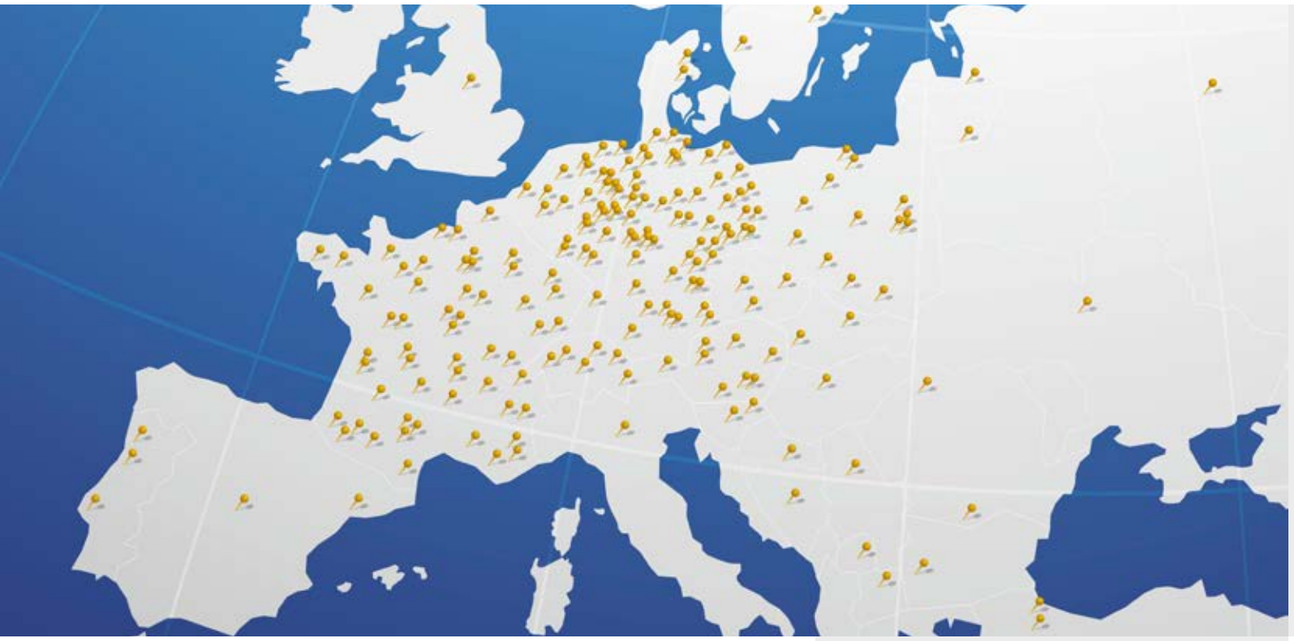
P 13



P 715

Description, see page 10

Putzmeister Service – always near you



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.

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

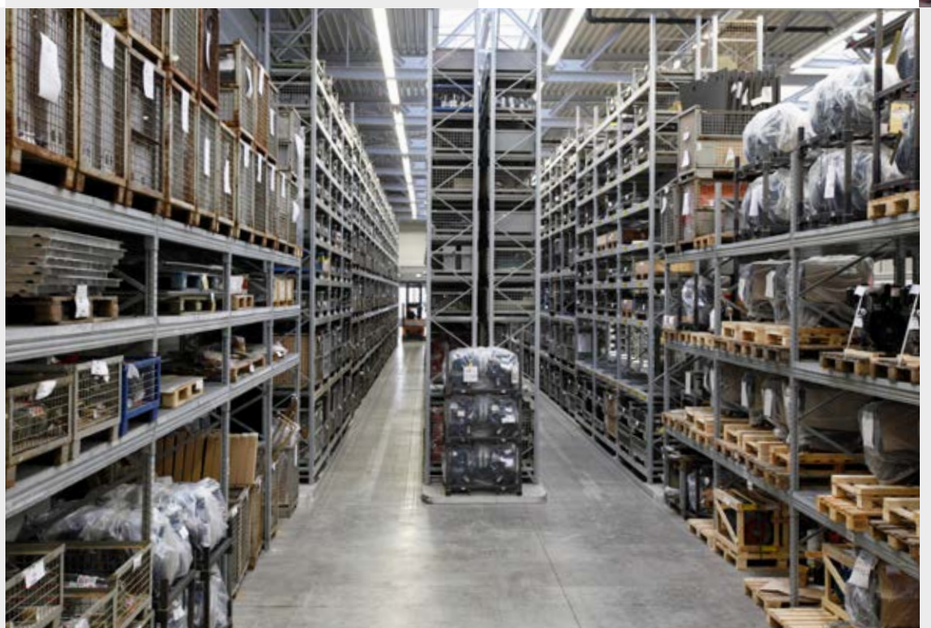
- Save time and money – rectify minor faults and perform simple maintenance tasks independently
- Correct machine operation for greater working efficiency
- Prevent incorrect operation – increase availability



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.



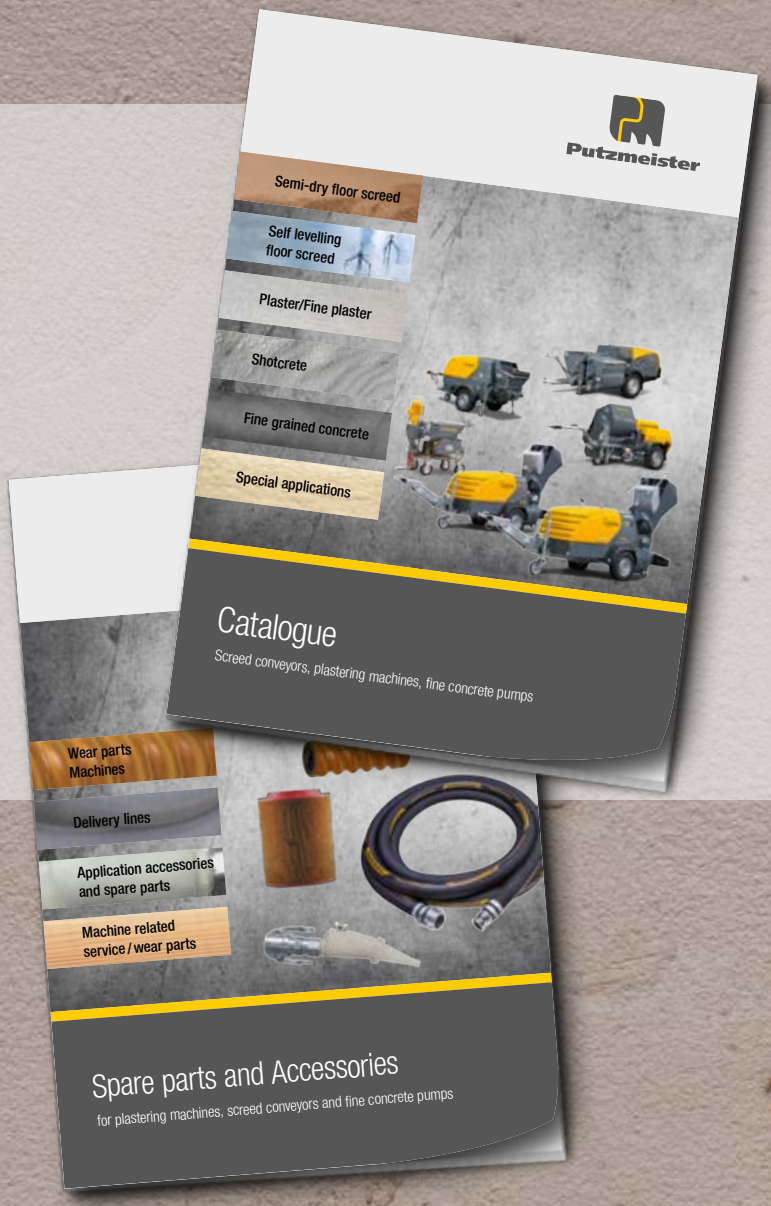
Your benefits at a glance

- 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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