

Mixokret screed conveyors M 500, M 700 and M 710



Our electrically operated 500 and 700 series screed conveyors pump sand, screed, gravel and fine concrete reliably to the most remote parts of your construction sites. They do not have an integrated compressor, and this with their simple and robust design, makes them compact, versatile and very cost-effective.

These Mixokret screed conveyors are the ideal alternatives to construction cranes and are the perfect way to modernise your construction sites and increase your profit.

Putzmeister

MM 4205 GB

Mixokret M 700 – the smallest screed conveyor with electric drive

Construction sites are often very rough going, therefore the machines used on construction sites must be robust enough to handle this. They must work reliably, be versatile and easy to operate and maintain. The **Mixokret 500 and 700 series screed conveyors** meet all these criteria.

The common feature of all screed conveyors from this series is that they **do not have a built-in compressor**. This means they are extremely light and significantly more cost-effective than versions with an integrated compressor. That's why anyone who needs an electrically operated screed conveyor and has a construction site compressor, can turn to these models with confidence.

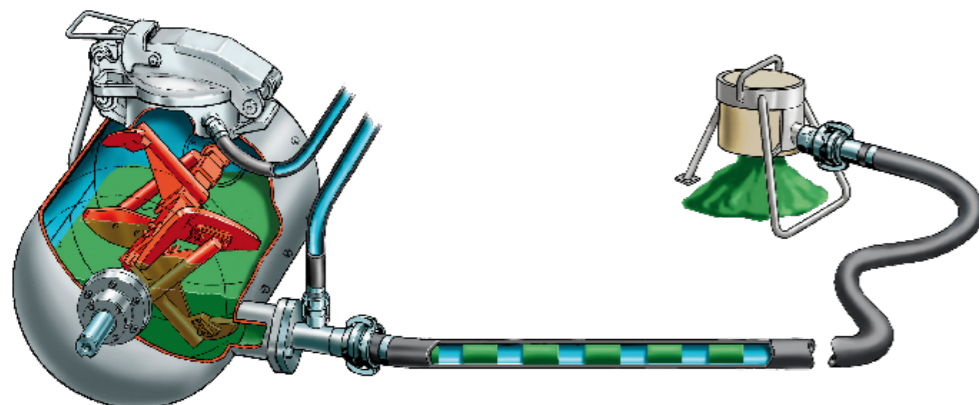
Areas of application

- Cement and anhydrite screed
- Sand
- Fine gravel
- Light and lean concrete

How compressed air delivery works

The material is mixed in the vessel of the Mixokret. Air pressure then delivers it on air cushions through delivery hoses to the placement position.

Using this method, the Mixokret can also deliver „dry“ materials such as sand, earth and fine gravel up to a grain size of 16 mm (even up to 32 mm with the M 500).



Mixokret M 700

The Mixokret M 700 is the basic model of the Mixokret screed conveyor range. It is by far the smallest and lightest Mixokret by Putzmeister.

In the M 700, our engineers consistently paid attention to obtaining a simple and robust design, that is suitable for tough everyday conditions. The result is the cost-effective Mixokret by Putzmeister, which offers everything that is required on a modern construction site.

The **towing device** can be **easily removed**. This means the M 700 requires even less space on a construction site.

All operating elements, such as the air cocks to control the upper and lower air flows **are positioned centrally on one side**. This makes it easier to work with and protects against incorrect operation.

The M 700 also has an additional **central air cock** with which **you can start or stop delivery**.

With the **EWO coupling**, you can connect **additional air-operated devices**.

Its low centre of gravity, large wheels and low weight make moving the M 700 on a construction site child's play. Alternatively, it can also be put into place using a crane. For this purpose, the M 700 has a **sturdy lifting eye** as standard.



The **powerful 400 V electric motor** has an output of 7.5 kW. It is robust, quiet and nearly wear-free.



The **mixing vessel vent** is large, easy to operate and works reliably. It is integrated directly into the lid, which reduces the risk of contamination. The operator can determine the direction in which the lid opens.

If you open the **safety grid on the vessel**, the mixing apparatus of the M 700 stops automatically. The Mixokret can only be restarted when it is closed again.



To connect ID 50, ID 65 or ID 90 hoses, you simply have to replace the coupling or the pressure connection. The outlet is fitted centrally, and means both mixing paddles have an even load and therefore wear evenly.



Model	M 700 ^E
Mixing vessel volume	260 l (200 l useful capacity)
Theor. delivery rate*	4 m ³ /h
Delivery pressure (ground)	7 bar
Compressor	Construction site compressor required minimum output 2.5 m ³ /min at 7 bar
Drive-electric motor	7.5 kW, 400V rotary current 50 Hz, 16 Amp.
Chassis	not approved for road use
Weight	700 kg
Length	2,670 mm
Width	1,280 mm
Height	1,190 mm
Fill height	860 mm
Pressure connections	KKV70
Grain size	max. 16 mm
Part no.	111 599.002

*The data is based on empirical values and depends on the materials used

Mixokret M 500 – the most powerful screed conveyor with electric drive

Robust and reliable technology

All Mixokret screed conveyors are designed to be able to work reliably even in tough continuous operation. When selecting the components, we therefore made sure that **extremely robust, long-life and high quality parts** that meet Putzmeister's high quality standards were used:

- the electric motors used are reliable and durable
- the mixing paddles and the wear plates are made from specially hardened steel
- the mixing shaft is multi staged sealed
- the mixing vessels are TÜV-tested and are produced with state of the art procedures

All models of the 500 and 700 series have an **extremely robust steel frame** with a **sturdy lifting eye**.

As these screed conveyors do not have an integrated compressor, a separate construction site compressor with an air output of at least 4 m³/min must be used.

Mixokret M 500

The Mixokret M 500 offers top performance in all areas. With a capacity of **640 l**, it has the **biggest mixing vessel** in the entire Mixokret range, which allows for longer delivery intervals. In addition, it is the only Mixokret that can pump screed, sand or fine concrete **up to a grain size of 32 mm**.

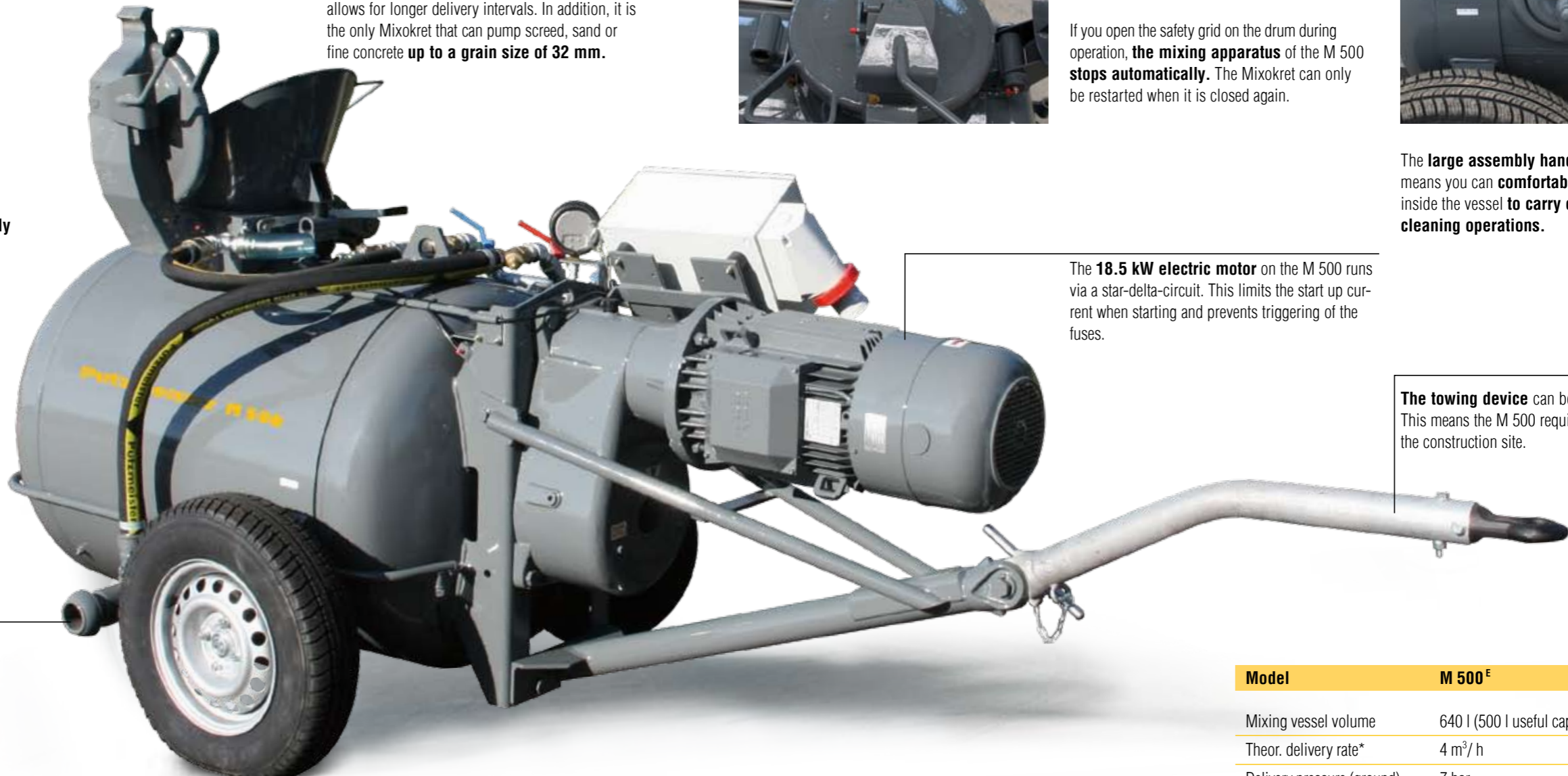


The **mixing vessel vent is large**, easy to operate and works reliably. It is integrated directly in the lid, which reduces the risk of contamination. The operator can determine the direction in which the lid opens.

If you open the safety grid on the drum during operation, **the mixing apparatus of the M 500 stops automatically**. The Mixokret can only be restarted when it is closed again.



The **large assembly hand hole** of the M 500 means you can **comfortably** reach all areas inside the vessel **to carry out maintenance or cleaning operations**.



The **18.5 kW electric motor** on the M 500 runs via a star-delta-circuit. This limits the start up current when starting and prevents triggering of the fuses.

The **towing device** can be **easily removed**. This means the M 500 requires even less space on the construction site.

Depending on the required connection for the delivery hose (ID 50, 65 or 90), it is easy to replace the coupling or discharge connection. The **outlet is fitted centrally**, which means both **mixing paddles** have an even load and therefore **wear evenly**.



On the M 500 too, **all operating elements are arranged on one side**. The operator uses the robust air cock to adjust the Mixokret's upper and lower air flow for pumping.

Additional air-operated devices can easily be connected to the separate **Geka-connection** on the M 500. Directly next to this is the central control cabinet, in which the complete electrical system of the M 500 is located.

The M 500 also has an additional **central air cock** with which **you can start or stop delivery**.



Model	M 500 ^E
Mixing vessel volume	640 l (500 l useful capacity)
Theor. delivery rate*	4 m ³ /h
Delivery pressure (ground)	7 bar
Compressor	Construction site compressor required minimum output 4 m ³ /min at 7 bar
Drive-electric motor	18.5 kW, 400 V rotary current 50 Hz, 32 Amp.
Chassis	not approved for road use
Weight	1,200 kg
Length	3,730 mm
Width	1,400 mm
Height	1,410 mm
Fill height	1,140 mm
Pressure connections	KKV70
Grain size	max. 32 mm
Part no.	111 598.003

*The data is based on empirical values and depends on the materials used

Mixokret M 710 – the convenient screed conveyor with electric drive

Convenient operation

The operating elements on all Mixokret screed conveyors by Putzmeister are in principle arranged centrally on one side. The operator uses the robust air cocks to adjust the Mixokret's upper and lower air flow for pumping, and a further air cock switches the air supply from the construction site compressor on or off.

Mixokret M 710

The Mixokret M 710 is the comfort version of the 500 and 700 series of electrically operated Mixokret screed conveyors that come without integrated compressors. There are some very practical details that are only found on the M 710:

- the robust hood protects the electrical components
- the hydraulic loader makes work easier
- the scraper makes it easier to fill the loader
- operation of the M 710 is particularly convenient

The towing device can be easily removed. This means the M 710 requires even less space on a construction site.



The robust supports make the M 710 **very stable**.

Directly next to the central operating panel, there is an **EMERGENCY SHUT-DOWN button**.

On site, the **sturdy lifting eye** can be used to lift the M 710 by crane to areas that are difficult to access.



The stable hood protects the **powerful 7.5 kW electric motor**, the gearbox, the hydraulic system and the electrical system against contamination.



The **mixing vessel and loader** are optimally matched to each other. Both have a useful **volume of 200 l**.



The coupling or discharge connection are easily replaced to match the connection size of delivery hose (ID 50, 65 or 90). **The outlet is fitted centrally**, meaning both **mixing paddles** have an even load and therefore **wear evenly**.

Model	M 710 ^{EB}	M 710 ^{EBS}	M 710 ^{EBS}
Mixing vessel volume	260 l (200 l useful capacity)		
Theor. delivery rate	4 m ³ /h	4 m ³ /h	4 m ³ /h
Delivery pressure (ground) *	7 bar	7 bar	7 bar
Compressor	construction site compressor required minimum output 2.5 m ³ /min at 7 bar		
Drive-electric motor	7.5 kW, 400 V rotary current 50 Hz, 16 Amp.		
Chassis	not approved for road use		approved for road use
Weight	1,160 kg	1,200 kg	1,280 kg
Length	3,079 mm	3,079 mm	4,140 mm
Width	1,280 mm	1,280 mm	1,395 mm
Height	2,370 mm	2,370 mm (2,727 mm ^{**})	2,540 mm (2,905 mm ^{**})
Fill height	980 mm	980 mm	1,120 mm
Discharge connection	KKV70	KKV70	KKV70
Grain size	max. 16 mm	max. 16 mm	max. 16 mm
Part no.	111 597.020	111 597.004	111 597.033

*The data is based on empirical values and depends on the materials used
**with scraper blade



The **mixing vessel vent** is easy to operate and works reliably. It is integrated directly into the lid, which reduces the risk of contamination.

If you open the safety grid on the vessel the **mixing apparatus** of the M 710 **stops automatically**. The Mixokret can only be restarted when it is closed again.

Variants

There are 3 versions of the M 710:

- M 710^{EB} with hydraulic loader
- M 710^{EBS} with hydraulic loader and scraper
- M 710^{EBS} with hydraulic loader and scraper, approved for road use

The M 710^{EB} has a hydraulically operated loader. You can work even more comfortably with the M 710^{EBS}, it also has a manual scraper. The sand scraper blade is very easily pulled to the loader via a hydraulic winch.

It could hardly be quicker, easier and more convenient.

Accessories and additional equipment

M 700^E standard equipment

Safety grid shut-off, tripod steel discharge stand, tapering to ID 50, KKV 70 and KKV 89, safety cover, standard tools, operating manual

M 500^E standard equipment

Safety grid shut-off, steel discharge stand with runner, tapering to ID 50, KKV 70 and KKV 89, safety cover, standard tools, operating manual

M 710^{EB} (M 710^{EBS}) standard equipment

Hydraulically driven loader, (scraper device with 11 m pull rope, cable remote control, self-winding cable drum, scraper blade approx. 30 l), safety grid shut-off, steel discharge stand with runner, tapering to ID 50, KKV 70 and KKV 89, safety cover, standard tools, operating manual

M 700^E optional equipment

Power cable 5 x 4 mm ² , 50 m long, 32/32 coupling	062 922.003
Centralised lubrication system for sealing and lubricating the bearing and the mixer shaft	on request
Full protection tank	on request
Special voltages	on request

M 500^E optional equipment

Power cable 4 x 16 mm ² , 50 m long, 63/63 coupling	466 270
Centralised lubrication system for sealing and lubricating the bearing and the mixer shaft	on request
Discharge connection ID 90 KKV 108	521 187
Special voltages	on request

M 710^{EB}, M 710^{EBS} optional equipment

Full protection tank	on request
High-pressure cleaner kit, 140 bar with spray gun and 8 m high-pressure hose	422 351
Centralised lubrication system for sealing and lubricating the bearing and the mixer shaft	on request
Special voltages	on request

Optional accessories

■ Delivery hose (10 bar)

ID 50, 10 m	213 450.007
ID 50, 20 m	213 451.006
ID 65, KK 70, 10 m	456 831
ID 65, KK 70, 20 m	456 832
ID 65, KK 89, 10 m	443 675
ID 65, KK 89, 20 m	443 672
ID 90, KK 108, 10 m	454 406

■ Sponge balls

ø 60 mm (ID 50-hoses)	000 212.005
ø 80 mm (ID 65-hoses)	000 246.000
ø 120 mm (ID 90-hoses)	016 091.003

■ Discharge stands

Steel (tripod) ID 50	517 275
incl. adapter plates for KKV 70, KKV 89	
Steel (with runner) ID 50	517 272
incl. adapter plates for KKV 70, KKV 89	
Steel (tripod) KKM 108	209 811.003
Aluminium (tripod) ID 50	517 276
incl. adapter plates for KKV 70, KKV 89	
Aluminium (runner) ID 50	517 278
incl. adapter plates for KKV 70, KKV 89	

■ Couplings

Ball-head coupling 2 ^{1/2"}	015 664.004
Reducer 3"-2 ^{1/2"}	043 564.008

■ Other

Injection branch for injecting additional air for longer delivery ranges	
ID 50	015 468.006
ID 65, KK 70	015 162.001

You will find more accessories in our complete catalogue.

■ Putzmeister Mörtelmaschinen GmbH

is a member of the Putzmeister Group, with its registered office in Aichtal near Stuttgart.

Since 1958, the Putzmeister Group has been a manufacturer and world-wide provider of mortar machines, fine plaster spray pumps, paint pumps, concrete pumps, tunnelling machines, industrial pumps, large robotics for cleaning complex systems and facilities and professional high-pressure cleaning systems. This strong network offers users and sales partners ideal conditions in terms of competence, investment security and optimum service in all areas.



■ Your Putzmeister partner

Putzmeister