



# **GROUT PUMP WITH MIXER-PUMP**

## **SCREW PUMP | PM Series**

**INNOVATIVE - QUALIFIED - TRUSTED**

**SCREED • PLASTER • GROUT • CONCRETE • SHOTCRETE • PLANT  
BLASTING • ROADHEADER • ATEX**

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**TEKKÖK®**

## GROUT PUMP WITH MIXER-PUMP

Grout pumps with mixer-pumps have always been the most popular ones for small and medium scale grout jobs. A mixer-pump is very practical with its own way of mixing and pumping. It mixes ingredients with water supplied by its water pump and keeps pumping as long as there is supply of water. As a brand name **TEKKÖK®** means innovation, quality and trust.

### AUTOMATIC WITH LOADER

It has its loader which feeds the mixer-pump with ingredients at a constant rate and flow. The loader preserves the feeding and mixing ratio. By preventing the over flow of dry ingredients into the mixer-pump, it saves the efficient use time of the rotor-stator.

### MIXER - PUMP:

#### POPULAR TECHNOLOGY

#### QUICK - PRACTICAL - EFFICIENT

It is one of the most popular mixer-pumps to mix, pump and inject ready-mix grout. Its design is very user-friendly as well as visually nice looking. It is the common choice for small and medium scale grout jobs. It is very practical as a mixer-pump. It is mostly placed very close to where the grout is to be injected. The ready-mix ingredients are mixed with water in its mixer-pump. The grout mix is pumped through the hose and injected into the grout hole. It is easy to move at construction grounds. It is designed in right size to pass through building doors or compact enough to move easily underground. It is practical to carry it to a different place. It is easy to dismantle the whole machine in 4 parts.

### FIELDS of APPLICATION:

For all types of pumpable ready-mix dry grout ingredients such as:

- Quick-freezing ready-mix grout
- Regular ready-mix grout
- Cement grout
- Lime grout
- Cement-lime grout
- Masonry grout
- Insulating grout
- Reinforcing mortar
- Slope and stabilization grout
- Injection mortar
- Bonding mortar
- Slot mortar
- Self-levelling floor screed

... and many more.

### EQUIPMENT:

- Pump unit Turbo Power
- 15m Ø25mm 40bar mortar hose w/couplings
- 5m 1" water hose w/filter and check valve
- Control box w/phase sequence relay, +digital voltmeter option
- 60cm Ø25mm spraying gun w/14mm nozzle
- 7.5m 5x4mm 32A power cable
- 1HP centrifugal water pump
- 150-1,500lt/h water flow meter
- Mixing shaft
- Cleaning shaft complete
- Rotor dismantlement bench
- Ø30mm cleaning sponge ball
- Round file
- Shifting spanner
- 6/125 screw driver

... and optionals due to demand.

## TEKKÖK® GROUT PUMP WITH MIXER-PUMP Screw Pump

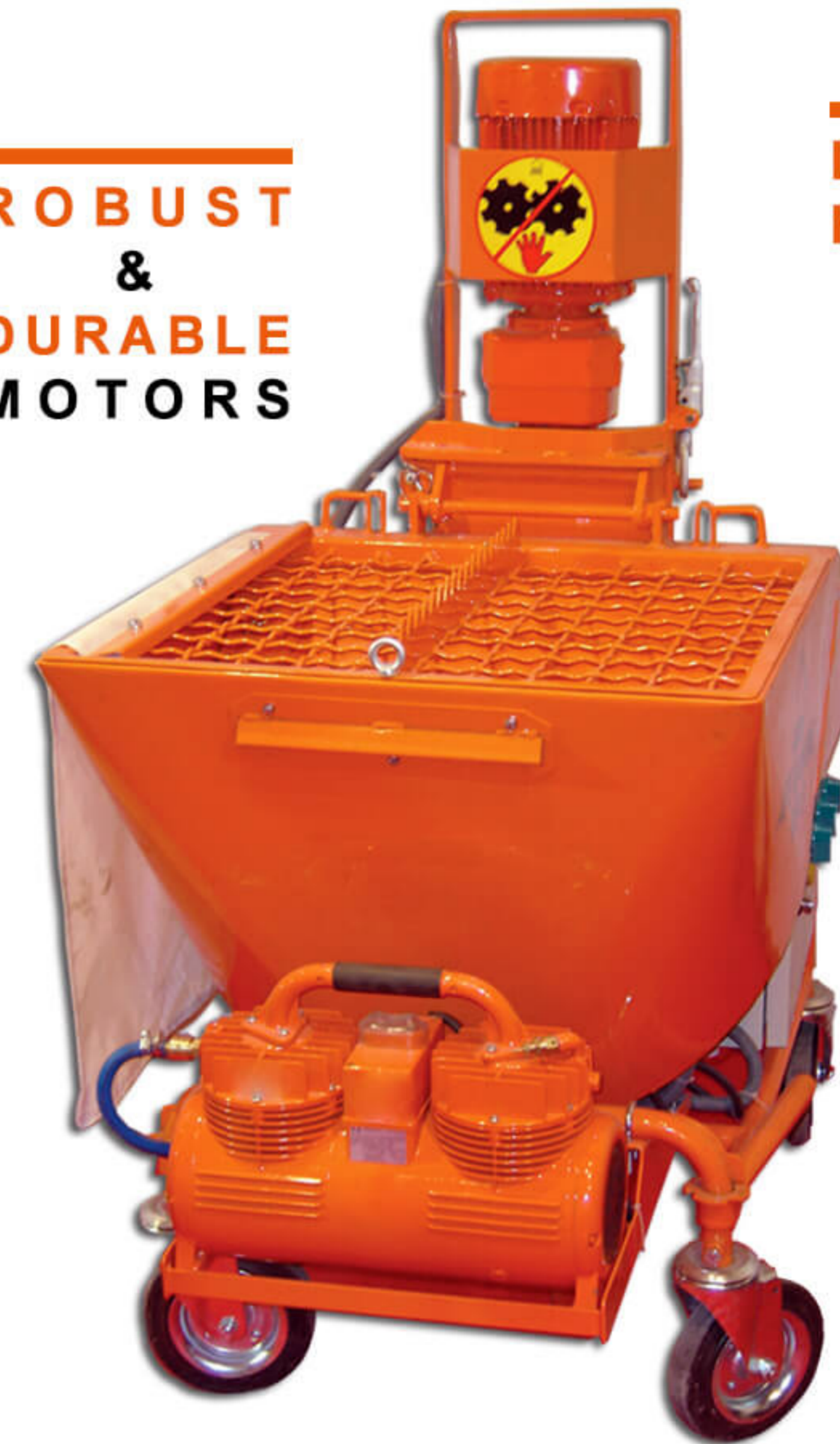
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**LARGE HOPPER**

**SHORT FILLING LEVEL**

**HIGH FLOW D7-2.5 ROTOR STATOR**

**FLAWLESS GROUT FLOW**

## GENERAL FEATURES

It is a automatic grout pump with mixer-pump to mix and pump ready-mix grout ingredients. It automatically gets the powder materials and water, mixes, pumps and injects them into the hole.

The dry grout ingredients is delivered into the mixer-pump automatically with its self-loader at a constant rate and flow. It prevents the dry ingredients to get into the screw-pump and saves the efficient used time of the rotor-stator. It is the closest one to a grout pump with a continuous mixer. All the motors and pumping stop if the mixer-pump is not fed by water. This is a self protection mechanism to save the screw-pump from dry ingredients.

Operator can start/stop grouting with the button on the control box or with the optional frequency remote control. The mixer-pump motor is powerful enough to keep working after start/stops.

A combination of long lasting components with the effective mixing system dramatically increases the service life of the screw-pump in comparison with many other equivalent products.

Together with a clear layout of controls, ease of breaking down into 4 sub-assemblies, fitting of crane lugs and large wheels, all make the our product easy to handle and use.

## TECHNICAL SPECIFICATIONS

Model	PM-20GP
Trigger	Electric, 380 V / 50 Hz, 32/16 A
Pump motor	5.5 kW
Loader motor	0.55 kW
Compressor	0.9 kW, 250 lt/min, 6 bar maximum
Water pump	0.55 kw, Automatic, 2.5 bar minimum, 3/4" connection
Output rate *	27 lt/min with D7-2.5 (22 lt/min with D6-3 or others)
With different rotor-stator	6 - 60 lt/min
Working pressure **	30 bar
Delivery Distance **	50 m → / 15 m ↑↓
Max. grain size supported ***	0 - 4 mm (ideal 0 - 2 mm)
Hopper volume	150 lt
Hopper filling height	940 mm
Remote control	Optional
Emergency stop	Available
Wheel	4 x Caster wheel (one with swivel brake)
Dimensions (WxLxH)	800 x 1200 x 1600 mm
Weight	325 kg

\* D7-2.5 rotor-stator is used for the values above.

\*\* It may vary due to the type of the rotor-stator, content and quality of the mixture, grain size and water ratio.

\*\*\* Delivery hose with 25 mm (1") inner diameter is used for the values above.



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