

**BREMAT**



MIXED INTELLIGENCE

OWN THE POWER!

GO WITH **BREMAT**



# OWN THE POWER!

## GO WITH BREMAT

Mixed Intelligence stands for unprecedented possibilities for easily composing your individual mobile mortar installation by using a unique mix of standardized BREMAT components. By applying Mixed Intelligence, BREMAT introduces a new mortar machine concept: **I-MIX**!

By combining basic components such as mixing unit, sand and binder compartment, chassis and drive as well as practical options, numerous machine configurations can be created. As a result, we are always able to offer you the best solutions.

The BREMAT **I-MIX** is equipped with a completely new in-house developed control program that provides both the user and the owner with insight into countless important data and options that optimize the use of the machine. In addition, when developing the **I-MIX** concept, we focused on the application and development of low-maintenance components that minimize maintenance costs.

### **I-MIX**

### **5 steps to your perfect mobile mortar installation**

1

#### **CHOOSE YOUR MIXING UNIT**

*Semi-dry screed or liquid screed*

2

#### **CHOOSE YOUR CHASSIS**

*3-axle trailer, 4-axle truck, or 5-axle truck*

3

#### **CHOOSE YOUR CONTAINER STRUCTURE**

*Volume sand and binder compartment*

4

#### **CHOOSE YOUR DRIVE**

*Diesel, Dual Drive, Plug In Hybrid, Full Electric or PTO*

5

#### **CHOOSE YOUR OPTIONS**

*Practical options complete your new installation*







# F-SERIES and S-SERIES

With the introduction of the new **I-MIX** variants, we are sticking to machine types with which we have been successful for decades and where we have repeatedly fulfilled our role as a leading manufacturer.

## F-SERIES

The **I-MIX** F-Series has been developed for the production and pumping of semi-dry traditional sand-cement screed, whereby the raw materials such as sand, cement, water and any additives are mixed fully automatically in a special mixer vessel. The new low-maintenance mixer vessel guarantees low maintenance costs, optimum reliability and a long service life. After mixing, the floor screed is pumped to the processing area by means of air pressure via mortar transport hoses. The new F-Series is available in 2 trailer variants and 2 rigid truck variants.

### F-SERIES

### CONTAINER STRUCTURE

### DRIVE

VARIANT	CHASSIS	SAND	BINDER	DIESEL <sup>(D)</sup>	DUAL DRIVE <sup>(D-PTO/E)</sup>	PLUG IN HYBRID <sup>(D-PTO + E)</sup>	FULL ELECTRIC <sup>(E)</sup>	PTO <sup>(D/E)</sup>
FT3	3-axle trailer	20 m3	6 m3	✓	✓	✓	✓	✗
FT3-XL	3-axle trailer	24 m3	6 m3	✓	✓	✓	✓	✗
FR4	4-axle rigid	16 m3	5 m3	✗	✓	Expected Q2-2024	Expected Q3-2024	✓
FR5	5-axle rigid	19 m3	5 m3	✗	✓	Expected Q2-2024	Expected Q3-2024	✓

Subject to changes



# F-SERIES and S-SERIES



## S-SERIES

The new **I-MIX** S-Series has been developed for the production and pumping of liquid (self-levelling) floor screed in which raw materials such as sand, binder, water and any additives are mixed fully automatically in a special quick mixer. The screed is pumped to the processing area in a constant flow via the underlying storage hopper and mortar transport hoses. The machine is equipped with a rotor/stator pump as standard. For high production and pumping capacity at low maintenance costs, the machine can optionally be equipped with a powerful plunger pump. The new S-Series is available in 3 trailer variants and 3 rigid truck variants.

S-SERIES		CONTAINER STRUCTURE		DRIVE				
VARIANT	CHASSIS	SAND	BINDER	DIESEL <sup>(D)</sup>	DUAL DRIVE <sup>(D-PTO/E)</sup>	PLUG IN HYBRID <sup>(D-PTO + E)</sup>	FULL ELECTRIC <sup>(E)</sup>	PTO <sup>(D/E)</sup>
ST3	3-axle trailer	17 m3	10 m3	✓	✓	✓	✓	✗
ST3-L	3-axle trailer	14 m3	13 m3	✓	✓	✓	✓	✗
ST3-XL	3-axle trailer	16 m3	15 m3	✓	✓	✓	✓	✗
SR4	4-axle rigid	15 m3	8 m3	✗	✓	Expected Q2-2024	Expected Q3-2024	✓
SR4-XL	4-axle rigid	11 m3	13 m3	✗	✓	Expected Q2-2024	Expected Q3-2024	✓
SR5	5-axle rigid	14 m3	10 m3	✗	✓	Expected Q2-2024	Expected Q3-2024	✓

Subject to changes



### **3-AXLE BREMAT TRAILER**

- In-house designed and specially produced for BREMAT machines
- High-quality components from a.o. BPW, Wabco, Jost and Tridec
  - Forced steering system, rear 2 axles
  - First axle designed as automatic lifting axle
  - Maximum fifth wheel pressure 18 Ton
  - Gross Axle Weight (GAW) 27 Ton
  - Gross Vehicle Weight (GVW) 45 Ton
- Officially recognized European Type Approval (ETA)

### **RIGID TRUCKS**

**I-MIX** machines are also suitable for mounting on various rigid truck chassis configurations. Our engineers can compose the correct truck chassis specification together with your truck supplier. This includes accurately calculating which wheelbase and which type of PTO is suitable for your new BREMAT machine. In addition, the positions of fuel tank(s), ad-blue tank, air tanks, hydraulic tank, electrical installation and any tool boxes will be visualized in order to realize an optimal chassis layout.

### **DRIVE**

The new **I-MIX** machines can be supplied with the following drives:

- |                                                    |                                                                |
|----------------------------------------------------|----------------------------------------------------------------|
| ▪ <b>Diesel</b> <small>(D)</small>                 | John Deere 4045TFC03 - TIER 4 / Stage IV – 56 kW - 106 Lwa     |
| ▪ <b>Dual Drive</b> <small>(D-PTO/E)</small>       | 400V/63A/32A via cable feed i.c.w. JD4045TFC03 (diesel) or PTO |
| ▪ <b>Plug In Hybrid</b> <small>(D-PTO + E)</small> | 50 kW battery pack 400V/32A i.c.w. JD4045TFC03 (diesel) or PTO |
| ▪ <b>Full Electric</b> <small>(E)</small>          | 185 kW battery pack 400V/32A/16A – <b>Zero Emission</b>        |
| ▪ <b>PTO</b> <small>(D/E)</small>                  | Rigid truck variants with normal PTO or E-PTO                  |

BREMAT fully automatic mobile mortar installations are equipped with a 19kVA generator as standard, so that you have 230V/400V connection options around your installation during operation.

### **WEIGHING SYSTEM**

From separate compartments, raw materials like sand, binder, water and additives are transported to the mixing unit by means of a horizontal transportation principle. The raw materials are mixed and pumped through the mixing unit. The raw materials are accurately dosed by weighing via load cells in combination with the advanced control program.

Due to the accurate dosing of the raw materials, the user can always rely on the production of a consistent and guaranteed quality screed.



## **OPERATION**

On the new **I-MIX** models, BREMAT introduces a completely new and in-house developed control program. The simple and clear touch screen control panel provides all necessary information that is important for the use and service work of the machine. The database is accessible to multiple users. For example, one can access an operator menu, an owner menu, a service engineer menu or the factory menu. The functions available depend on the login level to avoid any risk of improper use. With the new control program you have unlimited reporting functions for generating reports on material consumption and alarm overviews. The new control program is linked to a unique control app, which allows the operator to operate the machine remotely via a smartphone.

## **MATERIAL AND RECIPE MANAGEMENT**

Floor screed recipes can be created, edited and deleted. Changes are automatically synchronized with the BREMAT ScreedFleet® System. Materials can be selected and linked to fixed recipes. The recipes that have been set can be saved and called up again via hotkeys.

## **REPORT**

Possibility to generate customized reports online and in real time via the BREMAT ScreedFleet® system for a complete overview of material consumption, product quality and productivity.

## **REAL-TIME MONITORING AND DATA LOGGING**

All process parameters are continuously visible and are automatically stored in a database. Data can be retrieved and analysed at any time.

## **BACKUP AND RESTORE**

The new operating system contains a backup and restore function via the factory menu, which ensures that after a problem, systems are restored as quickly as possible. Backups can be made of the entire system or of specific components. With a backup we can restore an existing system. But, if hardware gets damaged, a new system can also get up and running relatively quickly. An extra safety measurement in case the physical backup gets corrupted. In case of a complicated default, it is possible to give a factory specialist remote access to the control program so that the correct diagnosis can be made quickly to get the machine operational again.

## **BREMAT SCREEDFLEET® AS STANDARD**

The use of Global Positioning Systems goes beyond the device you use to find the right route. GPS and 4/5G functionality offers many possibilities for the **I-MIX** screed installations. Via ScreedFleet® we offer you the possibility to view various current data of your BREMAT screed installation and the production process wherever and whenever you want. The entire process of transport and production becomes transparent whenever you want, both in the office and on the construction site. By integrating the BREMAT ScreedFleet® system into the control system of the machine, various data can be sent via a satellite connection. You can view and export this data via a personal account. As a user, you have a clear administration and automated archive.



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