



SPM PLANETARY MIXERS

8 YEAR
WARRANTY



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DURABILITY
AND RELIABILITY!

see how it works



The family of planetary mixers for each type of concrete ensures a fast mixing cycle by using the initial water dosing. Precise mixing of concrete is achieved thanks to the application of optimal number of mixing blades. The high degree of concrete mix homogenization is achieved by application of the high-speed rotor – wirbler.

The advantages of mixers



Solid and Reliable



Built from A to Z in one factory



Maintenance-free design for longevity



Fast mixing cycle



Precise mixing of concrete



The high speed agitator ensures high homogeneity of the concrete



Easy maintenance



Easy replacement of wear parts



The submerged planetary gear box in the oil bath prevents overheating



Integrated hydraulic station



The use of highest quality components



Quality control at every stage of production



Safe service



Silent work



Made in Poland/EU



Global support



SERVICE



Quick discharge system



PLANETARY GEAR BOX

Allows quiet and smooth operation.

DIPSTICK

Allows you to check the level of the safety oil planetary gears.

MIXER

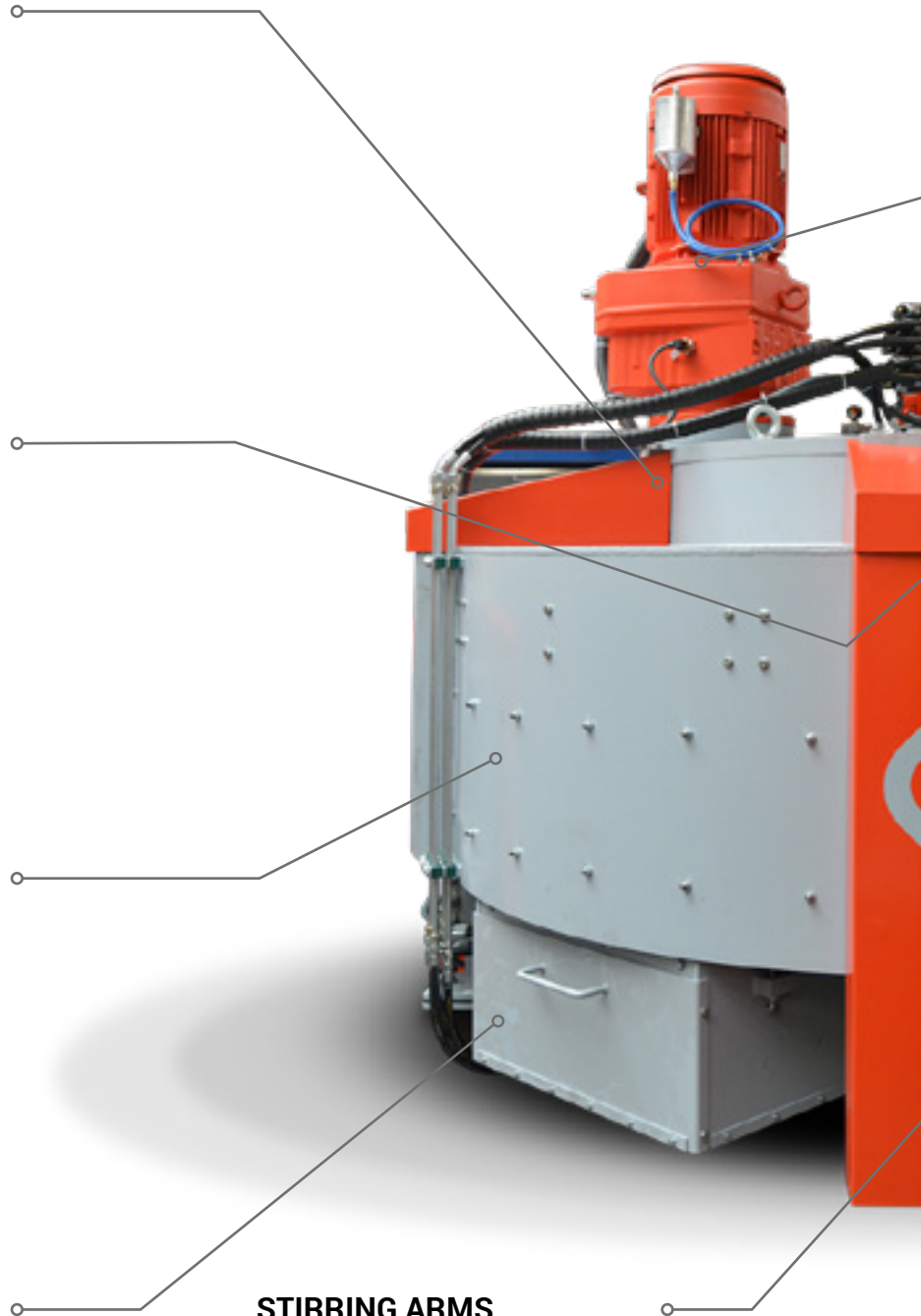
Equipped with stirring arms, lined entirely with hardened steel linings, HARDOX type, resistant to abrasion.

DISCHARGE

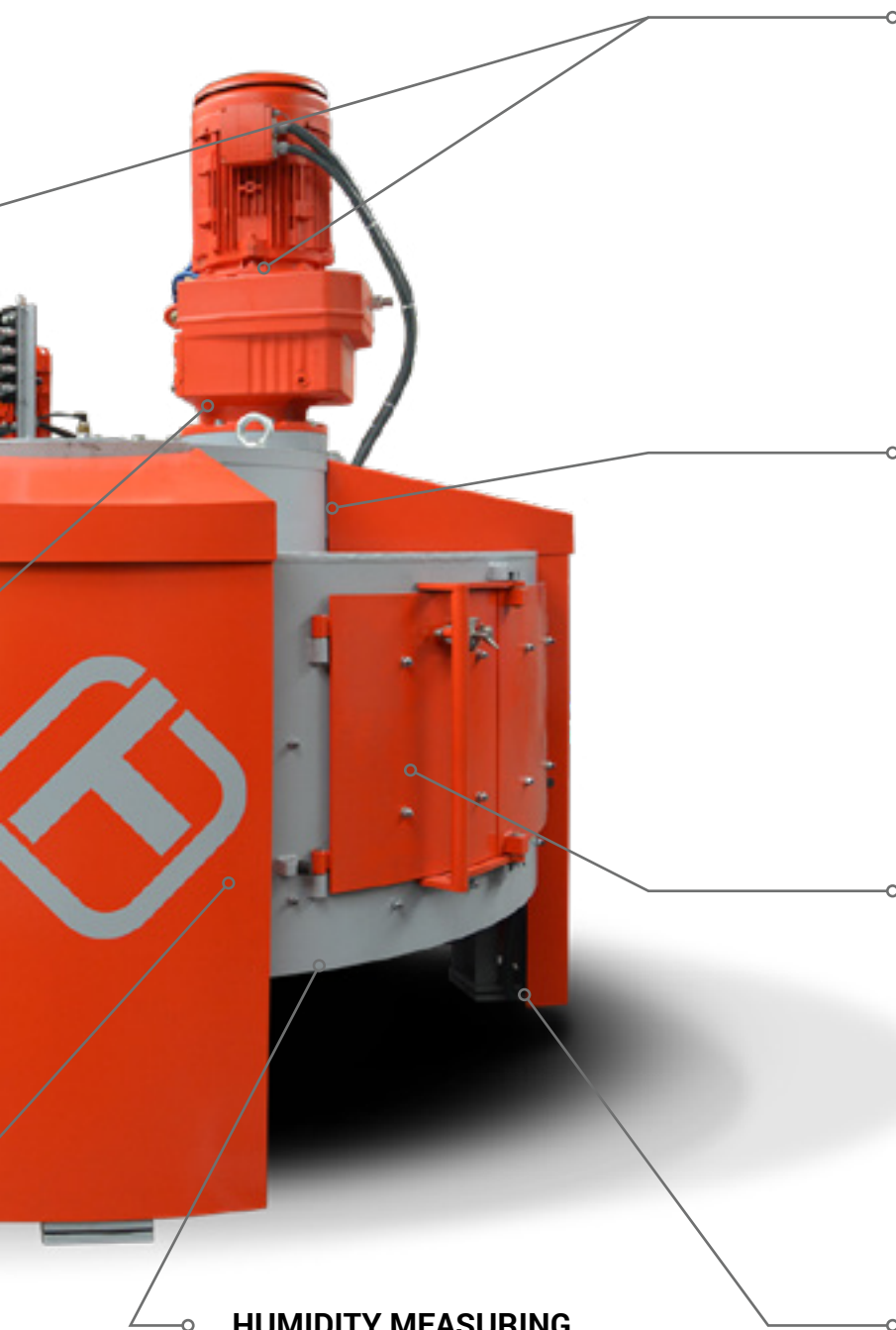
It is possible to equip the mixer with a maximum of 4 hydraulically opened discharge doors with emergency option manual opening.

STIRRING ARMS

The application of the optimal number of mixing arms ensures precise mixing.



Construction of mixers



GEAR MOTORS

Reliable and proven gear motors from reputable suppliers. Number and power of gear motors is up to the size of the mixer to meet every task.

SIGHT GLASS

It enables ongoing control of stirring process.

ACCESS DOORS

Thanks to the double doors there is possible easy access to the interior of the mixer which facilitates maintenance and washing.

The doors are equipped with a security system – it protects before opening the manhole during work of device.

HUMIDITY MEASURING PROBE

It allows to maintain the correct levels.

WATER INSTALLATION

Equipped with water valve and flow meter.



MIXER	UNIT	SPM-375	SPM-500
DRY FILLING	l/kg	375/600	500/820
UNIT OUTPUT PER CYCLE	m³	0,25	0,33
MINIMUM DRY FILLING	kg	150	200
WEIGHT OF THE MIXER	kg	3100	3200
DRIVING POWER	kW	9,2 (+11)	15 (+11)
NUMBER OF DISCHARGE OPENINGS	pcs	1	1
TOTAL HEIGHT, MOTOR INCL.	mm	2220	2220
HEIGHT OF MIXER DRUM, INCLUDING SUPPORTS	mm	1325	1325
HEIGHT OF MIXER DRUM WITH NO SUPPORTS	mm	920	920
WITH FLANGE	mm	1940	1940
MAXIMUM TOTAL DIAMETER	mm	690	690
HEIGHT OF MIXER DRUM	mm	1560	1560
NUMBER OF MIXING STARS	pcs	1	1
NUMBER OF MIXING BLADES	pcs	2	2
NUMBER OF UPPER SCRAPERS	pcs	-	-
NUMBER OF SIDE SCRAPERS	pcs	1	1
NUMBER OF CORNER SCRAPERS	pcs	1 (The high speed agitator)	1 (The high speed agitator)

Construction of mixers



SPM-750	SPM-1125	SPM-1750	SPM-2250	SPM-3000	SPM-3750
750/1200	1125/1800	1750/2800	2250/3600	3000/4800	3750/6000
0,5	0,75	1,15	1,5	2	2,5
300	450	700	900	1200	1500
4100	4230	7350	7370	8900	13600
2x9,2 (+15)	2x15 (+15)	2x22	2x30	2x37	2x55
1	1	1	1	1	1
2420	2420	2740	2740	2920	3275
1520	1520	1690	1690	1720	1865
1020	1020	1150	1150	1160	1335
2200	2200	3000	3000	3220	3785
735	735	900	900	900	1030
1986	1986	2680	2680	2900	3455
1	1	2	2	2	2
2	2	4	4	4	6
1	1	2	2	2	2
1	1	1	1	1	2
1 (The high speed agitator)	1 (The high speed agitator)	2	2	2	2

- 1. System of water nozzles**
Efficient washing and maintenance of the device in daily work
- 2. The high speed agitator (WIRBLER)**
High speed agitator for better homogeneity of the concrete mix
- 3. Additional discharges (up to 4 doors)**
It enables support for many production lines
- 4. Individual control system**
Provides the ability to connect to the plant control system
- 5. SKIP HOIST**
Compact loading of the mixer without the use of a conveyor
- 6. High Pressure washing system**
High-performance cleaning system for particularly tough mixtures
- 7. Cooling system for gear motor**
Ensures the transmission safe operation in hot climates
- 8. Inspection Opening**
It enables ongoing control of the effectiveness of the mixing process



Additional discharges (outside view)



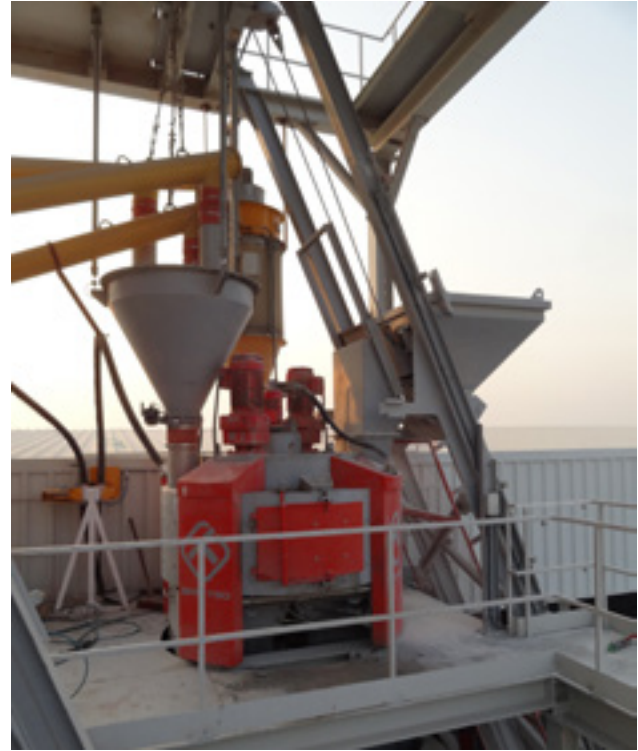
Additional discharges (inside view)



Inspection Opening



MIXERS – SKIP



The use of SKIP increases the functionality of the mixer, the possibility of independent operation without the need of a belt conveyor. The use of SKIP makes the mixing unit a compact construction. The SKIP drive is equipped with a rope rupture protection, to ensure a safe stop tray.

APPLICATION OF MIXERS

Techmatik mixers are versatile and can be used in a variety of technological processes, not only for mixing concrete, but also:

- Abrasive materials
- Concrete products
- Concrete for construction
- Soil
- Catalysts
- Facade ceramic tile
- Forage
- Light concrete (pumice and others)
- Floor screed
- Metallic powder
- Concrete for facade
- Self-sealing concrete
- Welding flux
- Building mortar
- Dry mass
- Dry mortar
- Fertilizers
- Chemical products
- Colorful concrete
- Fireclay
- Dry plaster
- Concrete for brick production



SEE HOW IT WORKS

The concrete batching plants are intended for manufacturing of ready-mix concrete and concrete used in manufacturing of dry-cast concrete products.

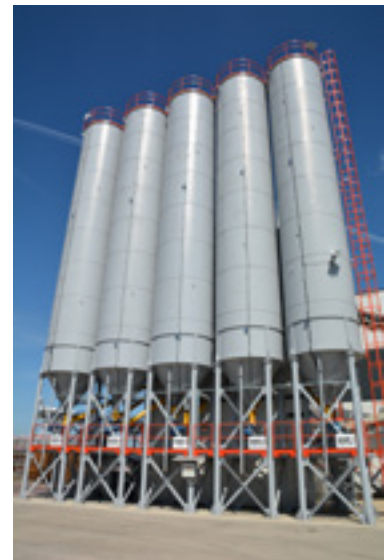
Manufacturing of concrete in the batching plants is automatic with full visualisation of all stages of the technological process. The plant includes: raw material storage and transporting devices, devices producing concrete mix and transporting it to the production plant or transport vehicles, control system.



ELEMENTS OF THE CONCRETE BATCHING PLANT

Storage facilities for raw materials and additives	Transportation facilities for transporting raw materials and concrete	Raw material measuring devices	Devices for concrete production	Control systems
<ul style="list-style-type: none"> ■ Multi-chamber aggregate tank ■ Cement silos ■ Aggregate buffer with hopper 	<ul style="list-style-type: none"> ■ Proportioning belt conveyors ■ Screw conveyors ■ Filling carriage of the SKIP type 	<ul style="list-style-type: none"> ■ Cement weight ■ Weighing belt conveyor ■ Water weight ■ Pigment doser ■ Liquid chemicals doser 	<ul style="list-style-type: none"> ■ Planetary mixers 	<ul style="list-style-type: none"> ■ Control panels with production process visualization ■ Control cubicle ■ Our original control software

Realizations





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