



TECHMATIK®
A COLUMBIA MACHINE, INC. COMPANY

www.techmatik.com

**PLANETARY
MIXERS**





Choose mixers by TECHMATIK!



Reliable and durable design



Manufactured by Techmatik



Short mixing cycle



Precise mixing of concrete



Wirbler for high homogeneity of the mix



Easy to maintain



Easy replacement of wear parts



Planetary gear immersed in oil bath to prevent overheating



Integrated hydraulic station



Use of top-quality components



Fast discharge system



Quality control at every production stage



Safe operation



Quiet



Reliable service department



Global support



SEE THE MACHINE

PLANETARY MIXERS

The SPM series of planetary mixers from Techmatik ensure a short mixing cycle. Precise mixing is obtained by using an optimum number of different types of blades (agitators and side, upper and corner scrapers). The high homogeneity of the mix is achieved by means of a highspeed rotor called a wirbler, while the wear-resistant, easy-to-replace lining guarantees a reliable operation of the mixer for years to come.



MIXER DESIGN

INTEGRATED HYDRAULIC STATION

For a compact design and optimum footprint in the concrete-mixing plant.

PLANETARY GEAR

For quiet and smooth running

MIXER DRUM

Equipped with mixing arms and entirely covered with wear resistant steel lining.

DISCHARGE

The mixer can have up to 4 hydraulically-opened discharges with emergency manual opening.

MIXING ARMS

Precise mixing due to an optimum number of mixing blades. The mixer may be optionally equipped with a wibrator – a high-speed agitator for improved homogeneity of the mix.

MOTOREDUCTERS

Reliable and proven motoreducers from well-known suppliers. The number and power output of motoreducers is selected according to the mixer size.

SIGHT-GLASS

For continuous monitoring of the mixing process.

CLEANOUT HATCH

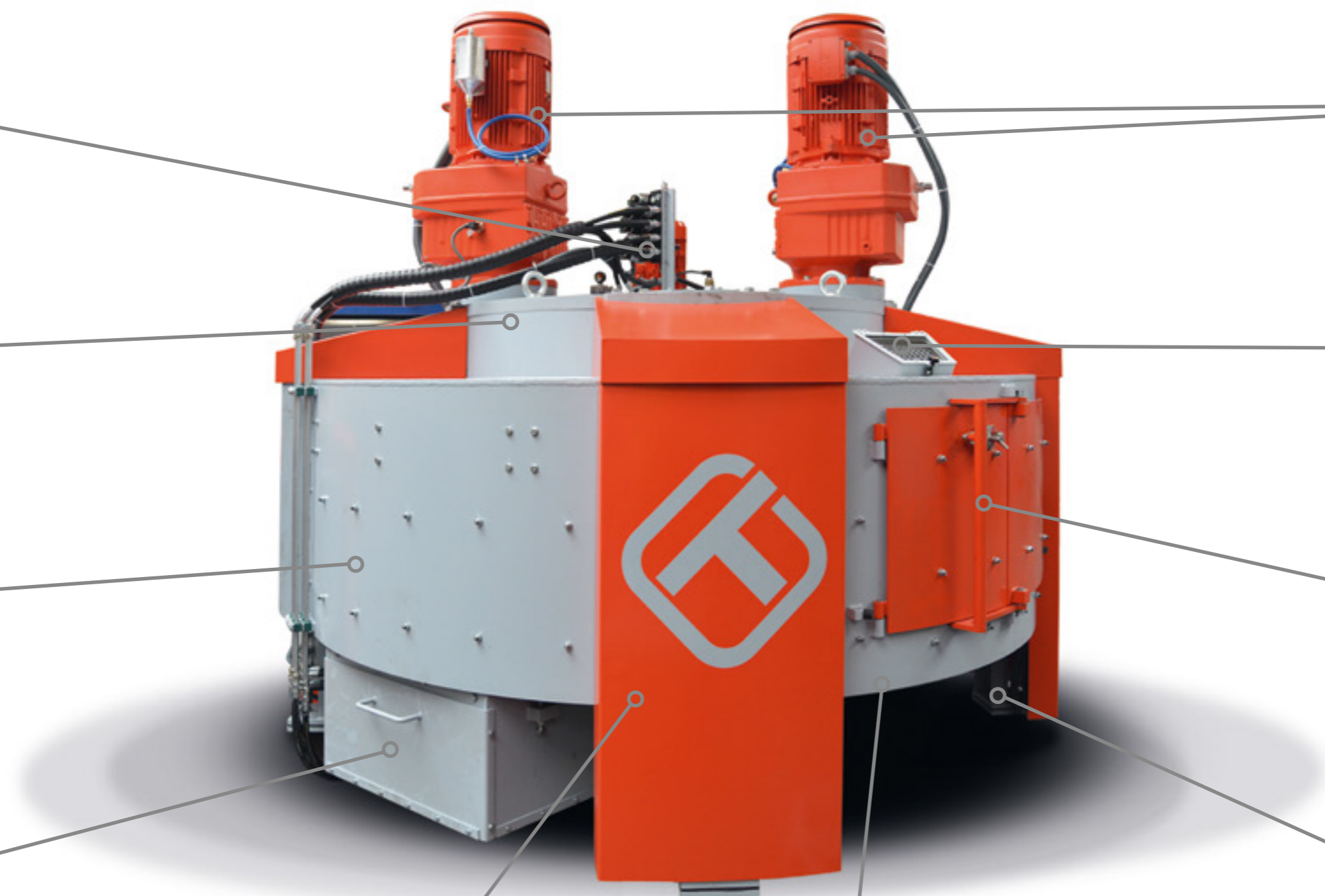
A wide hatch provides easy access to the inside of the mixers, facilitating its maintenance and washing. The hatch has a safety system to prevent the opening of the hatch while the machine is running.

WATER SYSTEM

Equipped with a water valve and flowmeter. The system is shielded with guard panels.

MOISTURE PROBE

To help maintain the desired moisture content in the mixed substance.



TECHNICAL DATA



MIXERS	SPM-375	SPM-500	SPM-750	SPM-1125	SPM-1750	SPM-2250	SPM-3000	SPM-3750
	375/600 [l/kg]	500/820 [l/kg]	750 / 1200 [l/kg]	1125 / 1800 [l/kg]	1750 / 2800 [l/kg]	2250 / 3600 [l/kg]	3000 / 4800 [l/kg]	3750 / 6000 [l/kg]
BATCH CAPACITY	0,25 [m³]	0,33 [m³]	0,5 [m³]	0,75 [m³]	1,15 [m³]	1,5 [m³]	2 [m³]	2,5 [m³]
UNIT CAPACITY PER CYCLE	150 [kg]	200 [kg]	300 [kg]	450 [kg]	700 [kg]	900 [kg]	1200 [kg]	1500 [kg]
MINIMUM BATCH SIZE	3100 [kg]	3200 [kg]	4100 [kg]	4230 [kg]	7350 [kg]	7370 [kg]	8900 [kg]	13600 [kg]
MIXER WEIGHT	9,2 (+11) [kW]	15 (+11) [kW]	2x9,2 (+15) [kW]	2x15 (+15) [kW]	2x22 [kW]	2x30 [kW]	2x37 [kW]	2x55 [kW]
DRIVING POWER (SPMW - WIRBLER)	1	1	1	1	1	1	1	1
NO. OF DISCHARGES	2220 [mm]	2220 [mm]	2340 [mm]	2440 [mm]	2740 [mm]	2860 [mm]	2920 [mm]	3275 [mm]
TOTAL WEIGHT INCLUDING MOTOR	1325 [mm]	1325 [mm]	1520 [mm]	1520 [mm]	1690 [mm]	1690 [mm]	1720 [mm]	1865 [mm]
MIXER HEIGHT INCLUDING SUPPORTS	920 [mm]	920 [mm]	1020 [mm]	1020 [mm]	1150 [mm]	1150 [mm]	1160 [mm]	1335 [mm]
MIXER HEIGHT WITHOUT FLANGED SUPPORTS	1940 [mm]	1940 [mm]	2200 [mm]	2200 [mm]	3000 [mm]	3000 [mm]	3220 [mm]	3785 [mm]
MAXIMUM TOTAL DIAMETER	690 [mm]	690 [mm]	735 [mm]	735 [mm]	900 [mm]	900 [mm]	900 [mm]	1030 [mm]
MIXER HEIGHT	1560 [mm]	1560 [mm]	1986 [mm]	1986 [mm]	2680 [mm]	2680 [mm]	2900 [mm]	3455 [mm]
INTERNAL DIAMETER OF MIXER	1	1	1	1	2	2	2	2
NO. OF MIXING STARS	2	2	2	2	4	4	4	6
NO. OF AGITATOR BLADES	-	-	1	1	2	2	2	2
NO. OF UPPER SCRAPERS	1	1	1	1	1	1	1	2
NO. OF SIDE SCRAPERS	1 (wirbler)	1 (wirbler)	1 (wirbler)	1 (wirbler)	2	2	2	2
NO. OF CORNER SCRAPERS (SPMW - WIRBLER)								

ADDITIONAL ACCESSORIES

WIRBLER

A high-speed agitator for improved homogeneity of the concrete mix

ADDITIONAL DISCHARGES

For handling many production lines (up to 4 in total)

INDIVIDUAL CONTROL SYSTEM

With the possibility to connect to the control system of the plant

SKIP

Compact loading of the mixer without using the conveyor

MOTOREDUCER COOLING SYSTEM

For the safe running of the gear in a hot climate

SIGHT-GLASS

For continuous monitoring of the mixing performance

GUARANTEE

Possibility to extend the guarantee up to 8 years



WIRBLER



ADDITIONAL DISCHARGES
AS SEEN ON THE OUTSIDE



ADDITIONAL DISCHARGES
AS SEEN ON THE INSIDE



SIGHT-GLASS

WIRBLER



The high-speed agitator used in concrete top layer mixers ensures high homogenization and reproducibility of the mix, while reducing the production time. It is especially crucial for the production of decorative top layers e.g. Colormix.



Improved homogeneity of the concrete mix



Shorter mixing times



Reproducibility of colors of the concrete mix

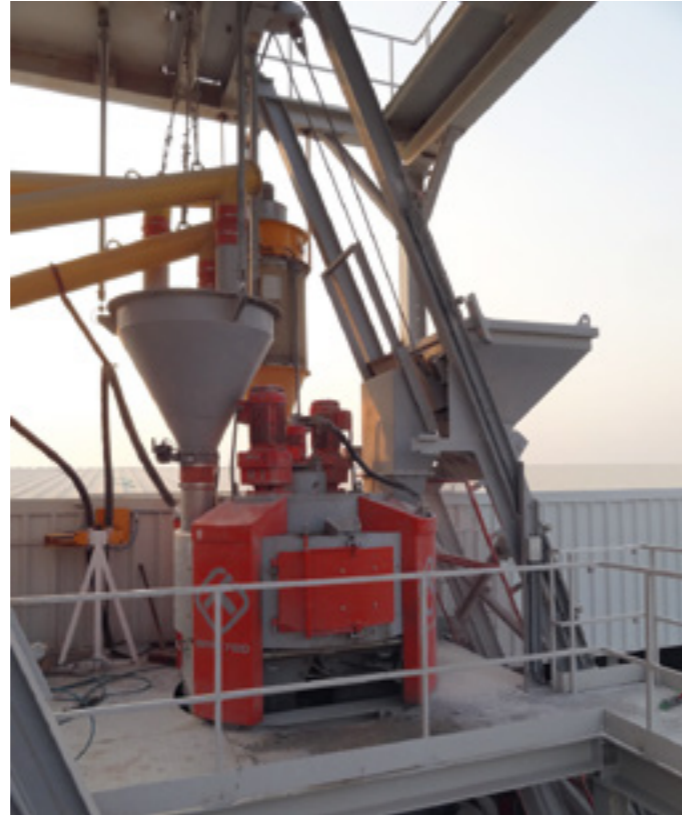


Savings on cement



Less production waste

SKIP



The use of the skip enhances the functionality of the mixer, allowing it to run without the need to use a band conveyor. With the skip, the mixing assembly is compact. The skip drive has a protection against the rope rupture (safety brake) for the safe stopping of the bunker.

CONCRETE BATCHING PLANTS



They are designed for the production of concrete used in wet casting. Concrete is produced in concrete batching plants automatically with full visualization of all the production process stages. A concrete batching plant consists of: raw material storage facilities and conveying equipment, concrete mix making machines and a control system. The concrete mix is transported to the production line or other conveying equipment.

APPLICATIONS OF MIXERS

Techmatik mixers are universal and can be used in a variety of production processes for making the following mixes:

- ☐ Precast concrete
- ☐ Ready-mix concrete
- ☐ Lightweight concrete (expanded clay, pumice etc.)
- ☐ For precast products
- ☐ Wet cast concrete
- ☐ Self-compacting concrete
- ☐ Dry concrete mortars
- ☐ Chamotte
- ☐ Earth
- ☐ Chemical products
- ☐ Different types of dry mixes e.g. fertilizers or fodders



Raw material storage facilities	Raw material and concrete conveying equipment	Raw material batching equipment	Concrete making machines	Control system
<ul style="list-style-type: none"> Multi-chamber aggregate storage tank Cement silos 	<ul style="list-style-type: none"> Batching band conveyors Screw conveyors SKIP charging truck 	<ul style="list-style-type: none"> Cement weighing scale Weighing band conveyor Water weigher Dye batcher Chemical batcher 	<ul style="list-style-type: none"> Planetary mixers 	<ul style="list-style-type: none"> Control panels with the production process visualization Control cabinet Dedicated control software



ADDRESS

ul. Żółkiewskiego 131 / 133
26-610 Radom
POLSKA
N 51° 24.926' / E 21° 11.935'

SECRETARIAT

ph.: +48 48 369 08 00
e-mail: techmatik@techmatik.com

DOMESTIC SALES


ph.: +48 48 369 08 86
mob.: +48 608 422 600
mob.: +48 532 859 001
e-mail: sprzedaz@techmatik.com

INTERNATIONAL SALES


ph.: +48 48 369 08 86
mob.: +48 532 859 002
mob.: +48 539 695 455
e-mail: sales@techmatik.com

MAINTENANCE / SPARE PARTS

ph.: +48 48 369 08 40
mob.: +48 608 611 611
e-mail: serwis@techmatik.com


ph.: +48 48 369 08 86
mob.: +49 172 630 939
mob.: +48 604 220 465
e-mail: verkauf@techmatik.com

MOLD REGENERATION

ph.: +48 48 369 08 31
mob.: +48 608 422 500
mob.: +48 668 122 022
e-mail: rege@techmatik.com


ph.: +48 48 369 08 86
mob.: +48 608 422 100
mob.: +48 512 028 028
e-mail: sales@techmatik.com