



**TB** **Tecno-Beton**  
IMPIANTI DI DOSAGGIO E BETONAGGIO  
PRODUCT CATALOGUE

**ENERGY, IDEAS,  
SOLUTIONS AND  
INNOVATION FOR  
YOUR PRODUCTION**



**TB** **Tecno-Beton**  
IMPIANTI DI DOSAGGIO E BETONAGGIO

QUALITY AND INNOVATION  
IN ALL PHASES OF PRODUCTION

# THE MOST SUITABLE SOLUTION FOR YOUR PRODUCTION NEEDS

## TECNO-BETON: 30 YEARS OF EXPERIENCE AND PROFESSIONALISM

Constant research into new solutions and feedback from construction sites, together with our 30 years of experience in the sector, guarantee an efficient service starting from the very first phases of design.

Our years of technical experience and positive feedback from sites allow us to use cutting-edge technical solutions in our designs which are of a higher quality than traditional standards.

### **Choosing a Tecno-Beton system is a guarantee which lasts.**

Production is carried out and checked in our premises: the hot zinc-coated structural parts, the quality components fitted to the systems and highly qualified staff create special, continuous synergies. A guarantee of reliability for the client.

## QUALITY AND INNOVATION IN ALL PHASES OF PRODUCTION

The quality of our products and services, the constant improvement in production technology, and the close attention paid to norms make us competitive and guarantee the client a reliable working partner, which is always aware of the need of its clients, experienced in the sector, and respectful of the national and international regulations governing environmental issues and health and safety.

To fully satisfy the client, Tecno-Beton offers a 360° service. Our staff, made up of specialist technicians with decades of experience and the latest tools can manage the site completely, from the first phases of assembly to post start-up technical assistance.

**TECNO-BETON SRL OFFICIAL DEALER OF:**

 **ROHR-IDRECO**



## OUR OBJECTIVES

- To offer high quality, functional services and products
- To offer custom-made technological solutions
- To offer the client a 360° service
  - To constantly improve and innovate our production.
  - To create loyal client relationships based on mutual trust.

# CONCRETE BATCHING PLANT TYPES

KNOW-HOW,  
EXPERIENCE  
AND PASSION  
AT YOUR  
SERVICE

These are the foundations  
for the design and production  
of our plant.

## DRY BATCHING PLANTS

Efficient systems for every fixed  
or mobile production need.



## WET & DRY BATCHING PLANTS

Solutions with alternate loading through  
bypass, with or without pre-loading.







### DUAL BATCHING PLANTS

Double structure solutions with double simultaneous loading points, suitable for large volume production.



### MINES AND QUARRIES PLANTS

We provide the most appropriate solution to any requirement needed for excavation, all the way to crushing automatic control.



### WET BATCHING PLANTS

Offer a wide range of configurations according to the specific requests of the client.

# CONCRETE BATCHING PLANT TYPES

ALL OUR PLANTS AND SYSTEMS ARE PRODUCED AND ASSEMBLED AT OUR PREMISES IN ITALY

Not only simple plant, but also machines with excellent technical characteristics which are able to maintain excellent performance for many years.

## BETONMIX PLANTS

The WET BETON MIX plant guarantees high-efficiency performances and compactness for a dynamic and fast assembly.

## VERTICAL TOWER BATCHING PLANTS

Various solutions designed directly with the client.





### CONTINUOUS MIXING PLANTS

Systems with weight check for all components on the fixed model, volume check for the mobile systems.



### WATER TREATMENT

Innovative solutions for the recovery of water used in the process and surplus concrete.

### PREMIXED PRODUCTION PLANTS

Our plants apply the most advanced technologies for component transportation, storage, dosage and mixing. Designed according to the features required by the Customer, they will meet any production need.



# DRY CONCRETE BATCHING PLANTS

CUSTOM-MADE TECHNOLOGY AND SYSTEM SOLUTIONS WHICH SUIT EVERY PRODUCTION NEED, BOTH FIXED OR MOBILE



## TECHNICAL SPECS: PRODUCTION FROM 80 TO 100 M<sup>3</sup>/H

		COMPACT TB DRY 4.28			TB DRY 4.34		
HOURLY PRODUCTION	m <sup>3</sup> /h	80			80		
AGGREGATE COMPARTMENT SYSTEM WITH DOUBLE OPENING	n.	4			4		
AGGREGATE STORAGE CAPACITY	m <sup>3</sup>	70	100	140	85	140	180
DOSAGE BY WEIGHT AND VOLUME		CEMENT - AGGREGATES - WATER - ADDITIVES					
OPERATION AND CONTROL		MANUAL - AUTOMATIC					

# TB DRY SERIES

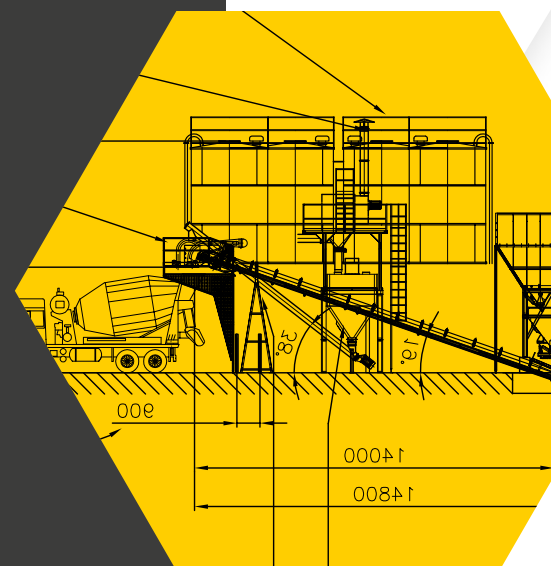
The range of TB DRY systems is suited to the production of dry concrete, and allows any needs of the market to be met with production volumes of up to 100 m<sup>3</sup>/h per hour for each loading point.

This range is produced to high quality standards, including hot zinc-coating and pre-wired system components. We offer various solutions for aggregate storage, depending on the type of material, the number of compartments, and the production capacity.

The removal of the aggregates is carried out using an electro-pneumatic system with double or triple extractors for each compartment, and measurement is carried out with homologated traction loading cells.

A wide range of accessories to meet every need is available upon request, such as moisture sensor probes (resistance or microwave) positioned in the unloading hatches, cement storage silos, weight dosage systems for additives and dust control systems at mixer truck loading points.

TB DRY 5.32			TB DRY 6.30		
90			100		
5			6		
100	210	250	210	250	280
CEMENT - AGGREGATES - WATER - ADDITIVES					
MANUAL - AUTOMATIC					



# DRY&WET CONCRETE PRODUCTION PLANTS

CUSTOM-MADE  
SYSTEMS FOR  
SIMULTANEOUS DRY  
& WET PRODUCTION  
SUITABLE FOR  
ALL PRODUCT  
TYPES WITHOUT  
COMPROMISING  
QUALITY



## PRODUCTION 80/120 - 100/120 M<sup>3</sup>/H LOADING BELT SUPPLY

		TB 4.34 DRY& WET			TB 5.32 DRY& WET		
		80/80	80/100	80/120	90/80	90/100	90/120
HOURLY PRODUCTION	m <sup>3</sup> /h	80/80	80/100	80/120	90/80	90/100	90/120
PRODUCTION PER CYCLE	m <sup>3</sup> /h	10 / 2	10 / 2,5	10 / 3	12 / 2	12 / 2,5	12 / 3
LOADER MIXER	with	BELT/WAITING HOPPER					
AGGREGATE COMPARTMENT SYSTEM	n.	4			5		
AGGREGATE STORAGE CAPACITY	m <sup>3</sup>	85	140	180	100	210	250
DOSAGE BY WEIGHT AND VOLUME		CEMENT - AGGREGATES - WATER - ADDITIVES					
OPERATION AND CONTROL		MANUAL - AUTOMATIC					



# TB DRY&WET SERIES

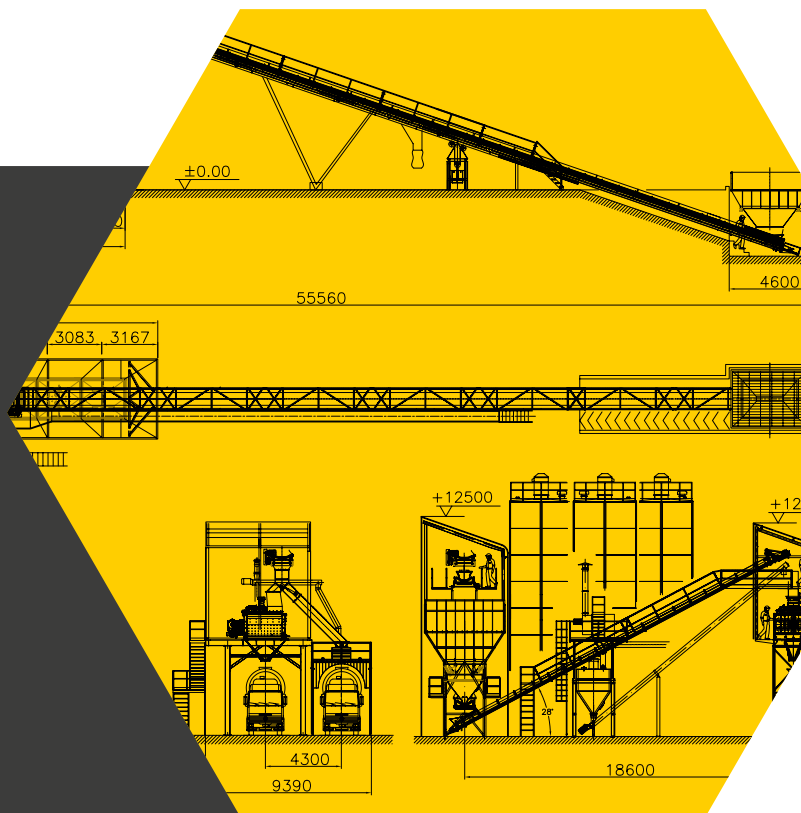
The Dry&Wet dry and pre-mixed concrete production plants (with alternate loading through by-pass with or without pre-loading) offers a wide range of configurations with a high level of product versatility, and are therefore able to meet the needs of ready-mix producers as well as construction companies. With this type of plant, TECNO-BETON supplies a balanced mix of components,

systems, and technical/performance solutions. This allows operation in optimal conditions, with large scale production fully respecting the environment.

The DRY&WET range is able to guarantee concrete production of up to 120 m<sup>3</sup>/h using double horizontal shaft mixer, and up to 100 m<sup>3</sup>/h through a dry loading point.

## TB 6.30 DRY& WET

100/80	100/100	100/120
12 / 2	12 / 2,5	12 / 3
BELT/WAITING HOPPER		
6		
210	250	280
CEMENT - AGGREGATES - WATER - ADDITIVES		
MANUAL - AUTOMATIC		



# MOBILE WET SYSTEMS



## READY MIX MOBILE SERIES

The range of mobile concrete production systems in the Ready Mix series has been designed for temporary construction sites, building companies, and for specific designs and/or suppliers of ready mixed product.

### TECHNICAL SPECS: PRODUCTION from 20-40-60 M<sup>3</sup>/H FED BY CONVEYOR BELT OR SKIP

		ONE MIX 20	ONE MIX 40	COMPACT MIX 40
PRODUCTION PER HOUR PRE-MIXED	m <sup>3</sup> /h.	20	40	40
PRODUCTION PER CYCLE VIBRATION OF RETURNS	lt.	1125/500	1500/1000	1500/1000
LOADER MIXER	with	CONVEYOR BELT	SKIP	SKIP
AGGREGATE COMPARTMENT SYSTEM WITH DOUBLE OPENING	n.	2-4	2-4	2-4
AGGREGATE STORAGE CAPACITY	m <sup>3</sup>	40	40	40
CHARGE DE GRANULATS	with	RAMP AND/OR CONVEYOR BELT		
TYPE OF DISCHARGE MIXER	with	BUCKET/CRANE	DIRECTLY INTO MIXER TRUCK	
OPERATION AND CONTROL		AUTOMATIC		

## OUR MOBILE SYSTEMS ARE ENTIRELY PREASSEMBLED AND PRE-WIRED ON SITE.



The simplicity and versatility of the Ready Mix system has been studied in every possible detail, from delivery to start-up. Positioning and start-up can be completed 24 hours.

The system is pre-assembled in modules which can be rested on the ground. These modules are made from steel and

can be positioned in limited spaces within the site and minimal building work is required for positioning.

This series offers excellent value for money and allows concrete production from a minimum 20 m<sup>3</sup>/h to a maximum of 60 m<sup>3</sup>/h with high quality standards using planetary mixers exclusively.

### MODULAR MIX 60

60

2250/1500

SKIP

4 - 8

80

RAMP AND/OR CONVEYOR BELT

DIRECTLY INTO MIXER TRUCK

AUTOMATIC



# WET CONCRETE PRODUCTION PLANTS

THE SYSTEM IS COMPLETELY AUTOMATED



## TECHNICAL SPECS: PRODUCTION 60 M<sup>3</sup>/H FED BY SKIP

		TB MIX LS 4.28			TB MIX LS 4.34			TB MIX LS 5.32		
PRODUCTION PER HOUR PRE-MIXED	m <sup>3</sup> /h.	60			60			60		
PRODUCTION PER CYCLE VIBRATION OF RETURNS	lt.	1500			1500			1500		
LOADER MIXER	with	SKIP			SKIP			SKIP		
AGGREGATE COMPARTMENT SYSTEM WITH DOUBLE OPENING	n.	4			4			5		
AGGREGATE STORAGE CAPACITY	m <sup>3</sup>	70	100	140	85	140	180	100	210	250
DOSAGE WEIGHT	CEMENT - AGGREGATES - WATER - ADDITIVES									
OPERATION AND CONTROL	MANUAL - AUTOMATIC									

# TB MIX SERIES

The TB MIX range of concrete production systems is ideal for stationary sites, construction companies, remote production and/or suppliers of pre-mixed concrete.

The TB MIX Series allows the production of concrete with high quality standards, using double horizontal shaft mixers and/or planetary mixers.

The mixer load can vary as requested, using mobile skip or conveyor belt loader. The loading of the storage silos is carried

out using horizontal and/or vertical augers. Plants are custom-designed to fit the available space.

The TB MIX series allows a range of different applications.

Depending on needs such as: ground loading systems; moveable reversible loading belts for aggregates, further cement storage; elevator feed systems, aggregate cooling systems; washing systems and water treatment and residue recovery systems.



## TECHNICAL SPECS: PRODUCTION 90 M<sup>3</sup>/H FED BY SKIP

		TB MIX PS 4.34			TB MIX PS 5.32			TB MIX PS 6.30		
HOURLY PRODUCTION	m <sup>3</sup> /h	90			90			90		
PRODUCTION PER CYCLE VIBRATION OF RETURNS	lt.	2000			2000			2000		
LOADER MIXER	with	SKIP								
AGGREGATE COMPARTMENT SYSTEM	n.	4			5			6		
AGGREGATE STORAGE CAPACITY	m <sup>3</sup>	85	140	180	140	180	250	110	250	300
DOSAGE WEIGHT	CEMENT - AGGREGATES - WATER - ADDITIVES									
OPERATION AND CONTROL	MANUAL - AUTOMATIC									

## TECHNICAL SPECS: PRODUCTION 120 M<sup>3</sup>/H FED BY SKIP

		TB MIX PS 4.34			TB MIX PS 5.32			TB MIX PSC 6.30		
HOURLY PRODUCTION	m <sup>3</sup> /h	120			120			120		
PRODUCTION PER CYCLE VIBRATION OF RETURNS	lt.	3000			3000			3000		
LOADER MIXER	with	SKIP								
AGGREGATE COMPARTMENT SYSTEM	n.	4			5			6		
AGGREGATE STORAGE CAPACITY	m <sup>3</sup>	85	140	180	140	180	250	110	250	300
DOSAGE WEIGHT	CEMENT - AGGREGATES - WATER - ADDITIVES									
OPERATION AND CONTROL	MANUAL - AUTOMATIC									



## FED BY CONVEYOR BELT

TB MIX PN 4.34			TB MIX PN 5.32			TB MIX PNC 6.30		
90			90			90		
2000			2000			2000		
CONVEYOR BELT								
4			5			6		
85	140	180	140	180	250	110	250	300
CEMENT - AGGREGATES - WATER - ADDITIVES								
MANUAL - AUTOMATIC								

## FED BY CONVEYOR BELT

TB MIX PN 4.34			TB MIX PN 5.32			TB MIX PNC 6.30		
120			120			120		
3000			3000			3000		
CONVEYOR BELT								
4			5			6		
85	140	180	140	180	250	110	250	300
CEMENT - AGGREGATES - WATER - ADDITIVES								
MANUAL - AUTOMATIC								



# BETONMIX CONCRETE PRODUCTION PLANTS



## BETONMIX SERIES

BETONMIX plants are synonymous with performance, quality, compactness, strength and speed, for fast, dynamic assembly. TECNO-BETON has transferred its know-how into a balanced mix of components, systems and technical/performance solutions. All this allows operation in optimal conditions thanks to large spaces for maintenance and complete respect of safety requirements combined with significant performance levels.

### TECHNICAL SPECS: PRODUCTION FROM 20-40-60 M<sup>3</sup>/H FED BY CONVEYOR BELT OR SKIP

		BETONMIX 4.34			BETONMIX 5.32			BETONMIX 6.30		
PRODUCTION PER HOUR PRE-MIXED	m <sup>3</sup> /h	100			120			130		
PRODUCTION PER CYCLE VIBRATION OF RETURNS	lt	2500			3000			3350		
LOADER MIXER	with	CONVEYOR BELT								
AGGREGATE COMPARTMENT SYSTEM WITH DOUBLE OPENING	n.	4			5			6		
AGGREGATE STORAGE CAPACITY	m <sup>3</sup>	140	180	210	180	210	250	210	250	280
CHARGE DE GRANULATS		CEMENT - AGGREGATES - WATER - ADDITIVES								
OPERATION AND CONTROL		MANUAL - AUTOMATIC								

The entire structure of the Betonmix system is hot zinc-coated and available in three distinct modules, completely pre-assembled and pre-wired. The support portal can house double shaft horizontal mixers or planetary mixers, and can guarantee hourly production of concrete of over 130m<sup>3</sup>/h. The system also allows two mixer trucks to be loaded simultaneously.

## COMPOSITION

**Module 1:** support portal hinged and integrated with the skip track.

**Module 2:** mixer group with double shaft horizontal mixers or planetary mixers.

**Module 3:** water, cement, and additive dosing system.

The modules are designed to optimise the operations of coupling and operation in total safety, installing modules on the ground with a sliding system which allows the whole section to be lifted in a single operation.



THE BETONMIX CONCRETE  
PRODUCTION SYSTEM  
HAS BEEN DESIGNED  
FOR STATIONARY  
CONSTRUCTION SITES,  
REMOTE PRODUCTION,  
AND SPECIFIC  
PROJECTS.

# DUAL D.T. CONCRETE PRODUCTION PLANTS



## TB DUAL D.T. SERIES

The DUAL range is suitable for large scale production of up to 260 m<sup>3</sup>/h of concrete with high quality standards.

The double chassis series allows independent production with two loading points and significant storage capacity.

### TECHNICAL SPECS: PRODUCTION DUAL DRY FROM 90+90 TO 100+100 M<sup>3</sup>/H FED BY CONVEYOR BELT

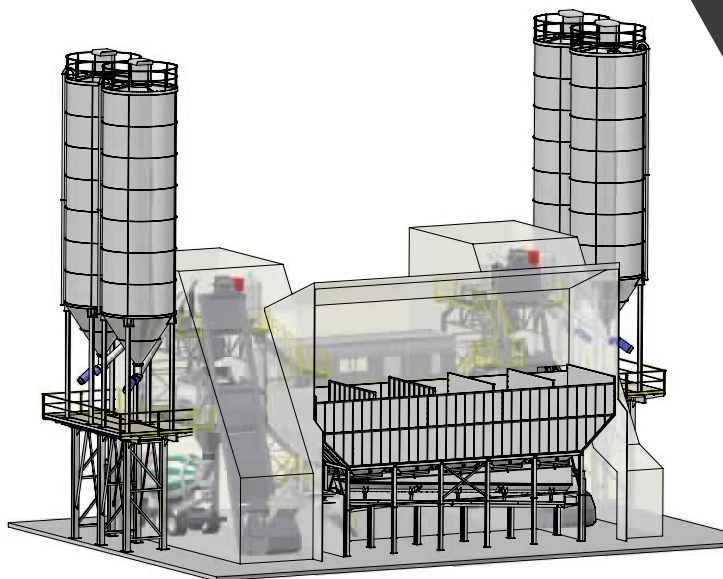
		TB DUAL DRY TB 5.32		TB DUAL DRY TB 6.30	
PRODUCTION PAR HEURE AVEC POINT DOUBLE CHARGEMENT	m <sup>3</sup> /h	90 + 90		100 + 100	
PRODUCTION RECOVERED	m <sup>3</sup> /h	10 + 10		12 + 12	
LOADER	with	CONVEYOR BELT			
AGGREGATE COMPARTMENT SYSTEM WITH DOUBLE OPENING	n.	5		6	
AGGREGATE STORAGE CAPACITY	m <sup>3</sup>	180	280	210	300
DOSAGE BY WEIGHT AND VOLUME		CEMENT - AGGREGATES - WATER - ADDITIVES			
OPERATION AND CONTROL		MANUAL - AUTOMATIC			



Le possibilità di configurazione sono molteplici:

- systems for dry production **DUAL DRY.**
- systems for dry and pre-mixed production **DRY+WET.**  
systems for production of pre-mixed **DUAL WET.**
- **DUAL BETONMIX** systems, fitted with double **BETONMIX** mixer portal with modular system to optimise layout for limited spaces.

All **TECNO-BETON** systems are studied and designed according to the needs of the client in terms of technical requirements, production, and the space available on-site.



**DOUBLE PRODUCTION SYSTEMS  
FEATURING DOUBLE FULLY  
INDEPENDENT STORAGE  
MODULES,  
DOSAGE SYSTEMS,  
WEIGH SYSTEM,  
BELTS AND  
LOAD POINTS**

## TECHNICAL SPECS: PRODUCTION DE DRY+WET FROM 90+80 TO 100+120 M<sup>3</sup>/H FED BY CONVEYOR BELT

		TB DUAL WET 5.32		TB DUAL WET 6.30
		80 + 80	100 + 100	120 + 120
PRODUCTION PAR HEURE	m <sup>3</sup> /h	80 + 80	100 + 100	120 + 120
PRODUCTION PER CYCLE VIBRATION OF RETURNS	lt.	2000	2500	3000
LOADER MIXER	with	CONVEYOR BELT/WAITING HOPPER		
AGGREGATE COMPARTMENT SYSTEM WITH DOUBLE OPENING	n.	5 + 5	5 + 5	6 + 6
AGGREGATE STORAGE CAPACITY	m <sup>3</sup>	240	280	300
DOSAGE BY WEIGHT AND VOLUME		CEMENT - AGGREGATES - WATER - ADDITIVES		
OPERATION AND CONTROL		MANUAL - AUTOMATIC		

## TECHNICAL SPECS: PRODUCTION DUAL WET FROM 80+80 TO 120+120 M<sup>3</sup>/H FED BY CONVEYOR BELT OR WAITING HOPPER

		TB DRY + WET 5.32		TB DRY + WET 6.30		
		90 + 80	100 + 100	100 + 120		
PRODUCTION PER HOUR PRE-MIXED	m <sup>3</sup> /h	90 + 80	100 + 100	100 + 120		
PRODUCTION PER CYCLE VIBRATION OF RETURNS	m <sup>3</sup> /h	10 + 2	10 + 2,5	10 + 3		
LOADER MIXER	con	CONVEYOR BELT/WAITING HOPPER				
AGGREGATE COMPARTMENT SYSTEM WITH DOUBLE OPENING	n.	5 + 5	5 + 5	6 + 6		
AGGREGATE STORAGE CAPACITY	m <sup>3</sup>	180	240	210	250	300
DOSAGE WEIGHT		CEMENT - AGGREGATES - WATER - ADDITIVES				
OPERATION AND CONTROL		MANUAL - AUTOMATIC				



**TO DESIGN VERTICAL  
CONCRETE PLANTS,  
WE OFFER VARIOUS  
CUSTOMISED SOLUTIONS  
THAT WILL BE  
ARRANGED DIRECTLY  
WITH THE CUSTOMER.**



**TECHNICAL SPECS: PRODUCTION DUAL BETONMIX FROM  
100+100 TO 130+130 M<sup>3</sup>/H FED BY TIPPER SKIP**

**DUAL MIX  
TB 5.32**

100 + 100		120 + 120		130 + 130	
2500		3000		3350	
SKIP					
4+4		5+5		6+6	
210	250	250	300	280	350
CEMENT - AGGREGATES - WATER - ADDITIVES					
MANUAL - AUTOMATIC					

# MIXED CEMENT SYSTEMS

THE MANAGEMENT OF THE SYSTEM IS COMPLETELY AUTOMATED THROUGH A TERMINAL FITTED IN THE CONTROL CABINET.



## TECHNICAL SPECS: PRODUCTION WITH VOLUME AND WEIGHT DOSING

		TB MC 300 V MOBILE	TB MC 300.2 V	TB MC 400 V
PRODUCTION PER HOUR PRE-MIXED	ton/h.	300	300	400
PRODUCTION PER CYCLE VIBRATION OF RETURNS	m <sup>3</sup>	150	150	200
LOADER MIXER	con	CONVEYOR BELT		
AGGREGATE COMPARTMENT SYSTEM	n.	2	2+2	2
AGGREGATE STORAGE CAPACITY	m <sup>3</sup>	50	50+50	60
DOSAGE BY WEIGHT AND VOLUME		(VOLUMETRICO) CEMENTO - ACQUA - INERTI		
OPERATION AND CONTROL		MANUAL - AUTOMATIC		

# TB MC SERIES

The range of TB MC systems is suitable for the continuous production of cement mixes and concrete with low cement content, with production volumes of up to 400 tonnes/hour for the construction of road bases, airport runways, and concrete bases.

These systems can use both traditional aggregates as well as recycled ground materials which include bitumen binders.

The number and capacity of aggregate storage hoppers vary according to the production requirements and are constructed with hard wearing linings for each extraction cone with vibration bypass for each extractor cone.

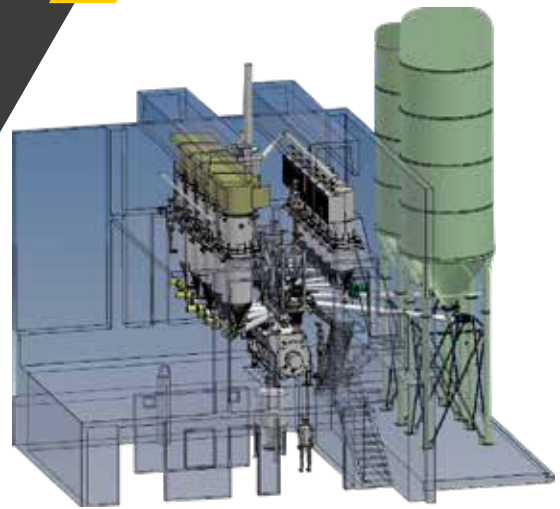
The series of bi-shaft continuous mixers ensure constant production with limited energy consumption. The interchangeable hard-wearing linings and the heat-hardened steel blades allow easy maintenance and guarantee limited wear.

The precision dosers for aggregate, cement and water use both volume and weight in the highest performance version in the range. The complete system made up of volumetric dosage belts, rotating dosage valves, loading cells and belt weighing system is entirely controlled by motors with inverters which allow automatic management of percentages of the component parts to obtain the required product quality.

TB MC 400 V/P	TB MC 400.2 V/P
400	400
200	200
CONVEYOR BELT	
2	2 + 2
60	60 + 60
(WEIGHT AND VOLUME) CEMENT WATER - ADDITIVES	
MANUAL - AUTOMATIC	



# PLANTS FOR PRE-MIXED PRODUCTS



TECNO-BETON designs and manufactures complete plants for the production of pre-mixed products, according to specific requirements, with innovative solutions and techniques for the constantly evolving construction sector.

We have designed, developed and built plants for high-performance pre-mixed products.

The plants provide for the application of the most advanced technologies of dosing extraction, interception of raw materials, transport, storage and mixing of the various components up to the subsequent packaging stage in sacks.

Designed Be to Be with the Customer, they are really multifunctional systems able to meet the most different production needs.

The whole production cycle is managed and controlled in a simple and complete way through the latest generation Software and Electronics, guaranteeing total supervision of the productive stages :

- Independent storage hoppers complete with cell weighing system.
- Volumetric belts with weight control positioned underneath each storage hopper.
- Conveyor belts for multiple load lines.
- Compression load cells housed between the structure and the mixer complete with anti-tipping device.
- Microfeeding devices by weight for additives with a structure separate from the mixer.

TAILORED TO  
THE NEEDS OF  
CUSTOMERS WITH  
BUILDING  
SOLUTIONS  
THAT EVOLVE.



# WATER TREATMENT

During production large quantities of concrete residue is created, together with water used for washing of mixing plant and mixer trucks.

The disposal of these is a real environmental problem.

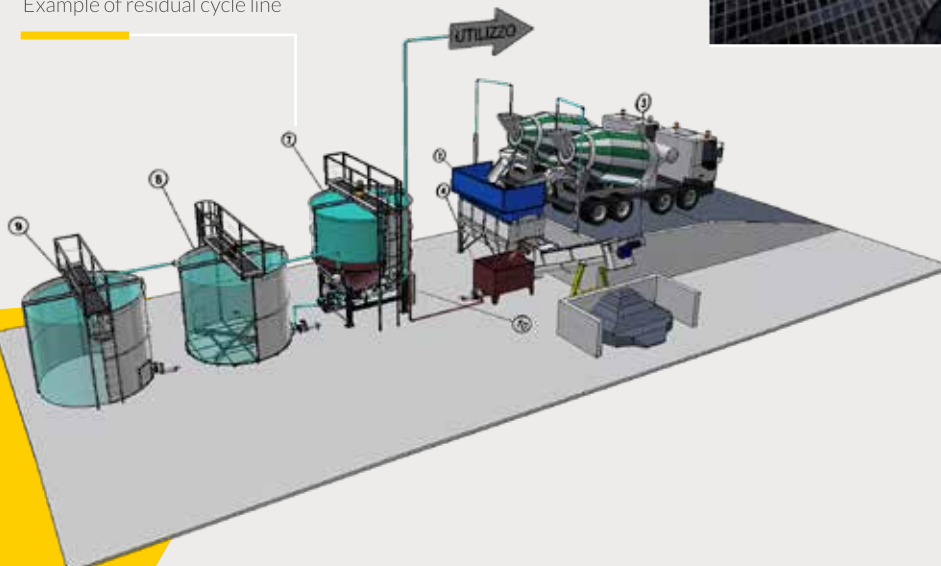
Tecno-Beton has developed two systems for the recycling of concrete residues from the washing of mixer trucks, pumps, and mixers:

- Residue separation system - **SCS: SEPARATING CONCRETE SYSTEM.**
- RCS: **RECYCLING CONCRETE SYSTEM.**

For both aggregate systems, the fine particles and the water are collected in specific tanks, allowing their separation and controlled re-use.

## RCS

Example of residual cycle line



# ACCESSORIES AND SPARE PARTS



## ACCESSORIES

THE RANGE OF TECNO-BETON FEATURES ACCESSORIES FOR EXISTING PLANTS, INCLUDING NON TB SYSTEMS. OUR PRODUCTS CAN BE USED FOR THE COMPLETION, INTEGRATION, AND IMPROVEMENT OR SUBSTITUTION OF EXISTING AND/OR WORN OUT COMPONENTS.

- Structural parts.
- Metal ramp containment structure.
- Double shaft and planetary mixers.
- HARDOX hard-wearing linings – rubber - polyurethane.
- Conveyor belt, skip.
- Aggregate loaders with belt or bucket elevators.
- Aggregate storage silos.
- Fibre dosers.
- Micro-dosers for powder additives.
- Pneumatic transport systems.
- Vacuum systems.
- Mixer truck loading tunnel with acoustic barriers.
- Control cabin – laboratories – service cabin.
- Electrical cabinet and automation.

## SPARE PARTS

THE CODING OF COMPONENTS IS COORDINATED USING A DATABASE MANAGED WITH AUTOMATED VERTICAL WAREHOUSES WHICH ALLOWS US TO GUARANTEE RAPID SPARE PART DELIVERY.

- Horizontal, vertical, and extraction augers and accessories.
- Sleeve filters, cartridge filters, and electronic boards.
- Silo accessories: silo safety valves, under-silo valves, pneumatic actuators and fluidization.
- Motors, reducers, electric agitators and pumps.
- Compressors, driers, tanks and lubrication systems.
- Weighing system, belt scrapers and zinc coated rollers for conveyor belts.
- Magnetic litre-counters and flow meters.
- Additive dosers and humidity sensors.



Storage and transport systems with vertical screw augers



Mixer washing



Dosing screws – aspirator filters – abrasion resistant curves



Rotary valves



Loading aisle



Conveyor belts

# AUTOMATION SYSTEMS

TECNO BETON USES ADVANCED TECHNOLOGIES FOR THE FUNCTIONING OF INDUSTRIAL AUTOMATIONS. THE WHOLE PROCESS OF THE SYSTEM MANAGEMENT IS CONFIGURABLE FOR EACH TYPE OF INSTALLATION .



## DOSAGE AND MEASUREMENT

- Aggregate dosage by weight.
- Cement dosage by weight.
- Water dosage by impulse/weight.
- Additive dosage by impulse/weight.
- Aggregate humidity measurement.

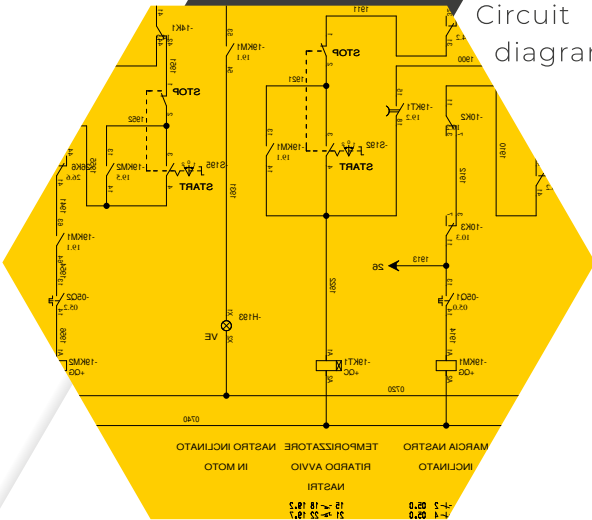
## CONTROLS

- Consistency and moisture controls in the mixer.
- Weight tolerance control.
- Flow control.
- Proportional type aggregate load control.
- Automatic vibration controls for aggregates and cement and product presence controls for all components.
- Speed slowing controls for extraction of aggregates and cement.
- Mixer truck anti-blockage control.
- Quality and traceability control.

## INTEGRATION

- Integration with company management systems.

Circuit diagram



Control boards

Control and management cabin



Control panel



**ADVANCED TECNO-BETON TECHNOLOGY**  
IN LINE WITH THE INDUSTRY 4.0  
MODEL MANAGES YOUR PRODUCTION  
REMOTELY THROUGH THE INSTALLATION  
OF **INTERCONNECTION AND AUTOMATIC  
PROCESS CONTROL**, ALSO FOR THE  
PRODUCTION OF CONCRETE.



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