



CONCRETE RECYCLING SYSTEMS

WATER TREATMENT
AND FILTER PRESSES
SYSTEMS



mmCT
ITALY

Marcantonini Concrete Technology

SLURRY SEPARATOR

THE MATERIAL SEPARATOR

«Revolutionize your concrete waste management with MCT's Slurry Separator.

The Slurry Separator system is specifically designed for the ready-mix and precast concrete industries, enabling the recycling of unused concrete and wash water. Through its multi-step separation process, Slurry Separator efficiently recovers sand, aggregates, and fine particles, ensuring optimal reuse in the production of new materials. «

Patented Design

A low-wear, energy-efficient system that delivers exceptional performance.

Installation Flexibility

Available in mobile or stationary versions, the system perfectly adapts to your operational needs.

Environmental Responsibility

Reduce waste and optimize the use of natural resources while enhancing your company's profitability.

Capacity

Handles between 1 and 25 m³ of concrete per hour, depending on the configuration (ready-mix or precast).

Particle Size Range

Separates aggregates ranging from 0.2 mm to 24 mm.

Recovery Rate

100% recovery of aggregates.

Energy Consumption

Low energy use thanks to its patented design with slow rotating blades.





AUTOMATIC FILTER PRESS DON'T LOSE A SINGLE DROP OF WATER

The MCT automatic filter press is designed to meet the wastewater treatment and concrete residue management needs of the concrete industry. This innovative system uses high pressure to efficiently separate water and solids, producing dry mud filter cakes and thereby reducing waste management costs.

Full Automation

Operates automatically, reducing workload and maintenance requirements.

Ready-to-Use Solution

The filter press comes fully pre-installed in a container, with all necessary options for immediate on-site use.

Environmentally Friendly

Reduce wastewater while optimizing material recycling, contributing to more sustainable production.

Filtration Pressure

Between 70 and 85 PSI to ensure optimal dewatering.

Plate Sizes

Available in 470 mm, 630 mm, or 800 mm, with the option to add up to 40 plates.



Dewatering Efficiency

Cakes with a moisture content below 20%, minimizing waste transport costs.

Hourly Capacity

Up to 100 m³ of water treated per hour.

WATER SOFTENER PROTECT YOUR EQUIPMENT

The MCT water softener is designed to optimize your industrial processes by removing minerals responsible for water hardness, such as calcium and magnesium. By reducing these deposits, it extends the lifespan of your equipment and enhances the efficiency of processes requiring pure water.

Equipment Protection

Prevent scaling and mineral deposits in your machines, increasing their lifespan and reducing maintenance costs.

Optimized Water Quality

pH between 8 and 9, adjusted by a CO₂ dosing station. Treat up to 100 m³ per hour.

Simplified Installation and Maintenance

Designed for easy integration into your existing installations, with minimal maintenance required.

Eco-friendly Solution

Reduce the use of cleaning chemicals and minimize environmental impact by improving water quality.



RECYCLE 100% OF YOUR CONCRETE WASTE

1.
COLLECT WASHOUT
WATER AND RETURNING
CONCRETE INTO THE
SEPARATOR



REUSE ALL
THE RECYCLED
MATERIALS

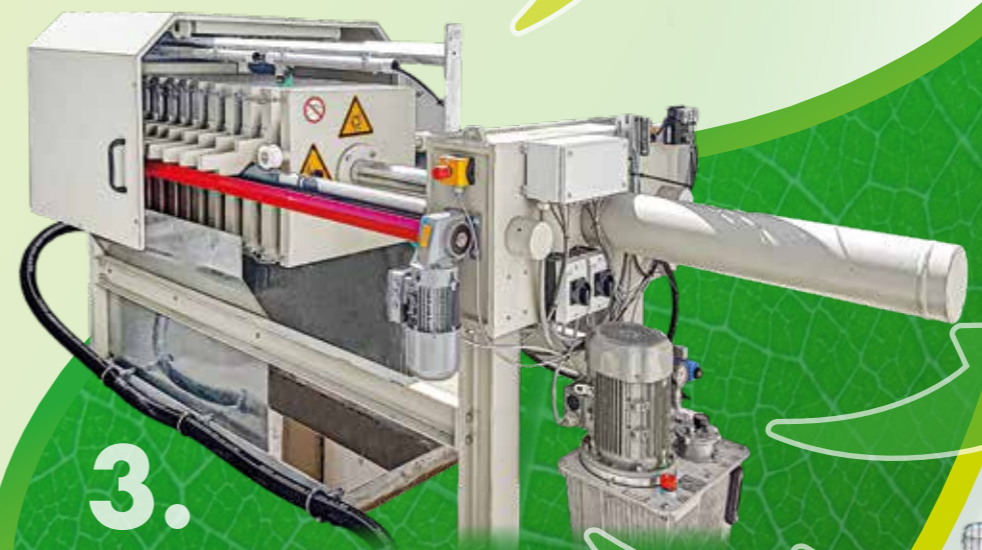
4.



2. SEPARATE
THE MATERIALS



3.
RUN THE SLURRY
WITH RESIDUAL
FINES THROUGH
THE FILTERPRESS





PRECAST

Best Quality through Design and Process Optimization



SPECIAL BETON MIX

Special Color Blending Machines



MOBILE

Mobile Plants type MCM and MCR, easy to install and ready to use



CASTING MACHINES

Customized Casting Machines for every application



CompuNet®

Exclusive Management and Control System



RECYCLING SYSTEM

Customized Solutions for Reclaiming Materials



DISTRIBUTION

Customized Flying Buckets for Concrete Distribution



READYMIX

Innovative Solutions for Concrete Production



MATERIALS TERMINALS

Cement Silos, Trucks Loading Stations



Marcantonini Concrete Technology



MARCANTONINI IS A WORLDWIDE LEADER

in the field of Batching Plants for Concrete Production and Distribution Systems since 1967

Concrete Batch Plant Solutions for Precast, Blocks & Pavers and Ready Mix Producers

Concrete Distribution Systems

Plant Automation Software and Control Systems



#BLUEHEART
Our commitment to our heritage



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