

MSW





MSW - MOBILE SAND WASHING UNIT WITH WATER CLARIFICATION PLANT

This unit arises from the need to have high quality construction material, according to the current regulations. A lot of quarries today again have a DRY - PROCESS for aggregates production, but the new rules in force concerning construction raw materials to be used for the production of concrete sets ever higher and restrictive levels on the quality and the cleanliness of these products. In addition, it is difficult in some cases to have large amounts of clean water to be used for washing the aggregates produced.

This machine, encloses in a very compact way loading, transporting, sand washing with hydro-cyclone, drying ,

stocking on piles and water clarification process and allows, in a very simple and effective way as well as with significantly reduced costs and installation times, to wash the sand (size 0-5 mm), that it's the fraction in which are concentrated the impurities (silt) to be removed, minimizing at the same time the quantity of water requirement for this purpose thanks to a complete water treatment system that is able to reuse up to 85-95% of the processing water in a close circuit.

An automated management system controls all the process, from the sand loading to the evacuation of the sludge resulting from the clarification tank.

Model	Drier screen (model)	Type of pump	Type of cyclone (Ø)	Capacity (t/h)	Power required (kW)
MSW-075	MVA 120-300	6/4 D-AH	650 mm	60-80	70 - 110
MSW-150	MVA-150-360	8/6 E-AH	800 mm	120-150	100 - 150

*Silt removal capacity (minus 0,075 mm) : 15%

APPLICATIONS



Aggregates



Recycling



Industrial sands



Water treatment