



Concrete Re-cycling Plant

Returning water and
material to the
production cycle

ELKAYAM

INDUSTRIES

www.elkayam.co

Eco essential:

Concrete and water re-cycling

ENVIRONMENTALLY FRIENDLY ELKAYAM

Concrete and plant water and aggregate re-cycling

Invariably trucks returning must discharge and wash down left over mix in some effective way. **ELKAYAM** provides perfect systems which allows the recycling of valuable aggregates and sands and keeps the site clean at all times. Process water and washing water are also reclaimed and returned to the process avoiding waste and loss.

More and more local and legislating authorities are demanding that water and materials are re-used as a pre-condition of license and installing one of our re-cycling plants provides a technically elegant and profitable solution to the problem.

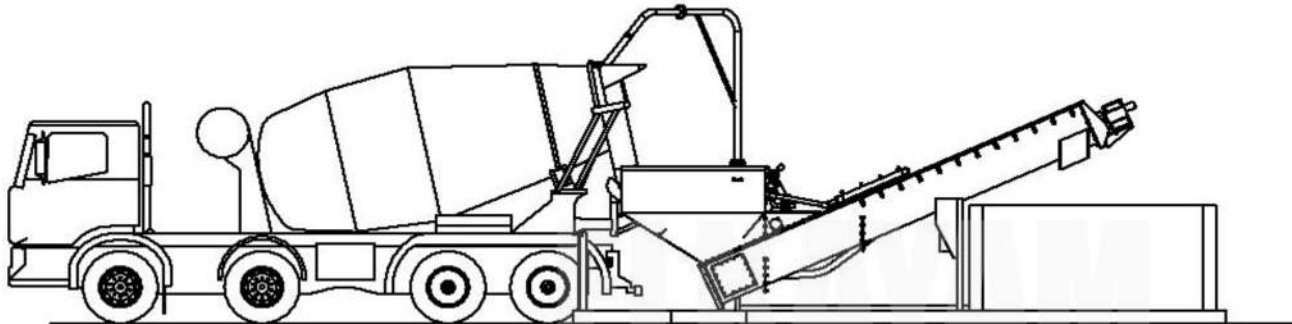
ELKAYAM always recommends that customers install one of their concrete recycling units at each installation and over time such a unit is self financing.

Summary Specification	
Capacity	10 to 14 m ³ /hr.
Collecting tank	1.5 m ³
Collecting pipe	2 x 6 inch
TSS separator	1200mm streaming homogenizer
Mixed Particle Separator Ø	600/800mm
MPS bearing	Lifetime warranty patented internal system.
Flushing	Overhead, manual regulators and swivel option
Control	Automatic operating panel



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CRP plants are designed especially for the recycling of valuable aggregate and sand from discarded material as well as for the improvement of site environment. Strategic positioning of the CRP plant enables all the local surface water on site to be collected. When a truck has unused material for recycling it uses system water from the overhead flushing system pipes to flush clean and fill the mixer. At the same time the operator/driver can clean down the back of the truck using the refilled reserve tank on the truck. The truck is then discharged into the receiving hopper of the Mixed Particle Separator (MPS). Aggregate and sand are conveyed up the MPS which systematically removes cement using a specially designed directional high-efficiency contraflow system and can then be transferred to a conveyor belt or discharged into the storage area for re-use. The water is taken off from the sediment for recycling.

Additional Features

Optional belt conveyor

Manual regulator for general cleaning

Adjustable timers to cycle the system 10 minutes every 3 hours.

One button operation for the driver/operator

Adjustable operating parameters.

Tank level indicators

Optional belt conveyor

Low cost and easy maintenance

25% less TSS in the overflow turbid water.

Consult us on the site design and layout which is so important for the correct installation of one of our recycling units to ensure maximum return of aggregate and water and protect your site against these accumulating losses.



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