

SCRU-S Concrete Reclaimer System

The Concrete Reclaimer System is meticulously designed to help efficient recycling by washing and separating concrete components. The system includes a feeding station equipped with a vibrating feeder, a concrete reclaimer unit constructed from galvanized steel, and a control board featuring a Programmable Logic Controller (PLC). This comprehensive system ensures the uniform distribution of recycling operations throughout working hours, emphasising durability, ease of operation, and customisation to plant requirements.



COMPOSITION

Feeding Station

The primary components of the feeding station include a main hopper and a vibrating feeder, both adjustable with a cover to ensure a consistent material feed into the concrete reclaimer unit. The loading process, helped by a loader or similar machine, is complemented by manual adjustments to prevent clogging. The system excels in avoiding issues such as overloading, congestion, and inefficient washing.

Main Unit

Constructed from galvanized steel, the recycling unit features a helical washing and carrying system with a substantial 5m³/h capacity. This design eliminates sealing or bearing problems, incorporating a butterfly valve with a manual actuator at the discharge exit. The system's robust operation is ensured by carbon steel flights and a 20mm thick shaft system. Additional washing is provided through a clean water distributor and a washing hose system with fittings. The unit also includes a 1.5m³ capacity hopper with a hatch. Equipped with a direct-coupled gearbox and a 4kW electric motor with a protection cover, it is well-suited for extra heavy-duty operations.

Control Panel

The control panel, integrated with a PLC, offers manual and three automatic operation modes, providing flexibility and adaptability to plant needs. The automatic modes include Separation/Washing Mode (Mode 1), Standby Mode (Mode 2), and Off/Park Mode (Mode 3). Adjustable intervals further enhance the system's efficiency, meeting plant requirements for effective recycling.

TECHNICAL DETAILS

SCRU Main Unit

- Designed to eliminate sealing or bearing problems.
- Features one drain outlet with a blind plug.
- Includes outlets on each side to guide overflowed grey water.
- Carbon steel flights and a 20mm thick shaft system ensure heavy-duty operation.
- Incorporates a clean water distributor system for added washing and a washing hose system with fittings.
- Washing nozzles are strategically placed on the feeding station and main unit's bunker.

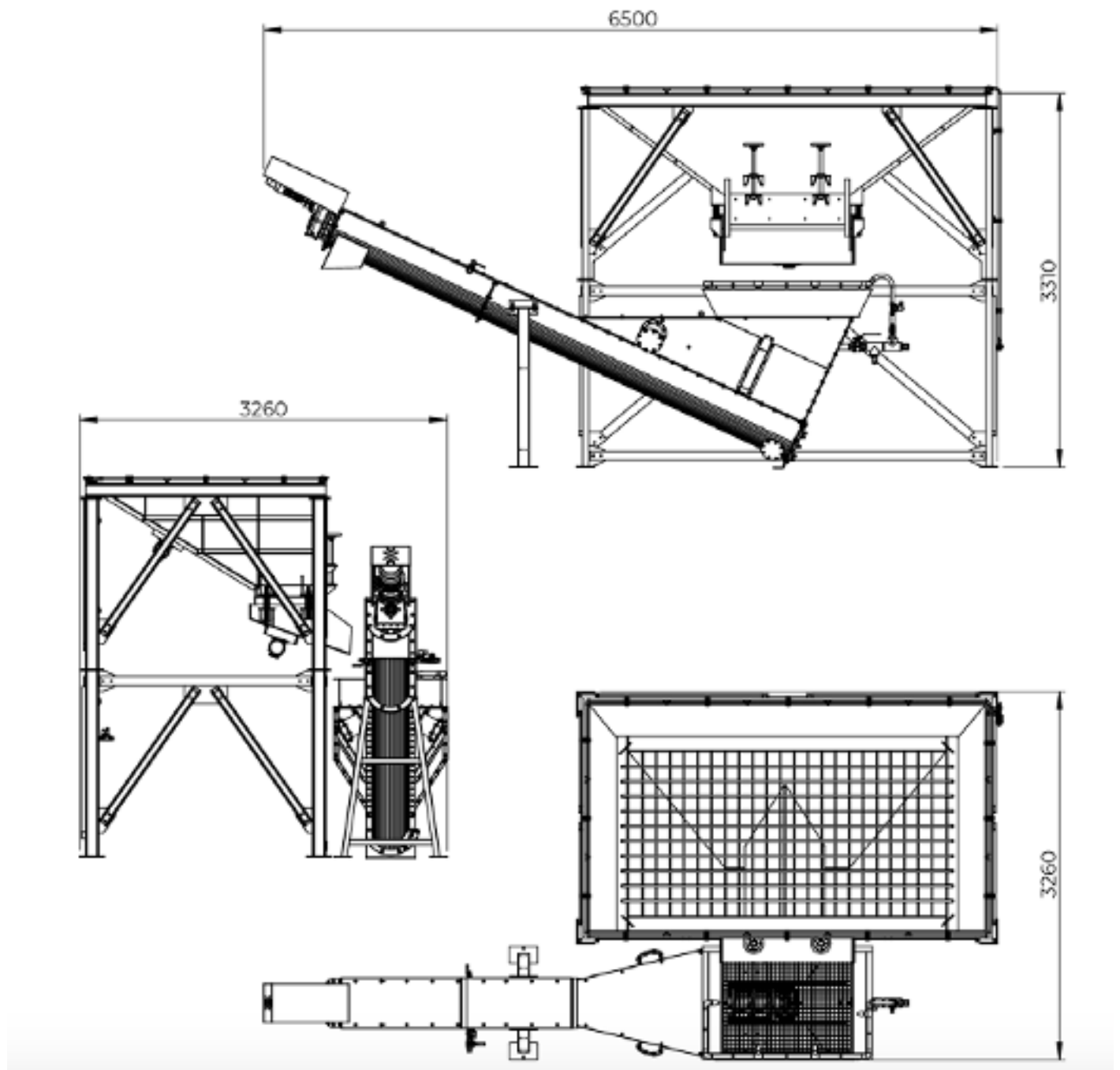
Feeding Hopper

- Consists of a main hopper and vibrating feeder, ensuring steady and optimum feed into the concrete reclaimer unit.
- Adjustable cover helps efficient loading by a loader or similar machine, ensuring regular feeding to the main unit.

Control Panel

- Features manual mode and three automatic modes (Mode 1: Separation/Washing, Mode 2: Standby, Mode 3: Off/Park).
- Adjustable intervals cater to plant needs and washing efficiency requirements.

OVERALL DIMENSIONS



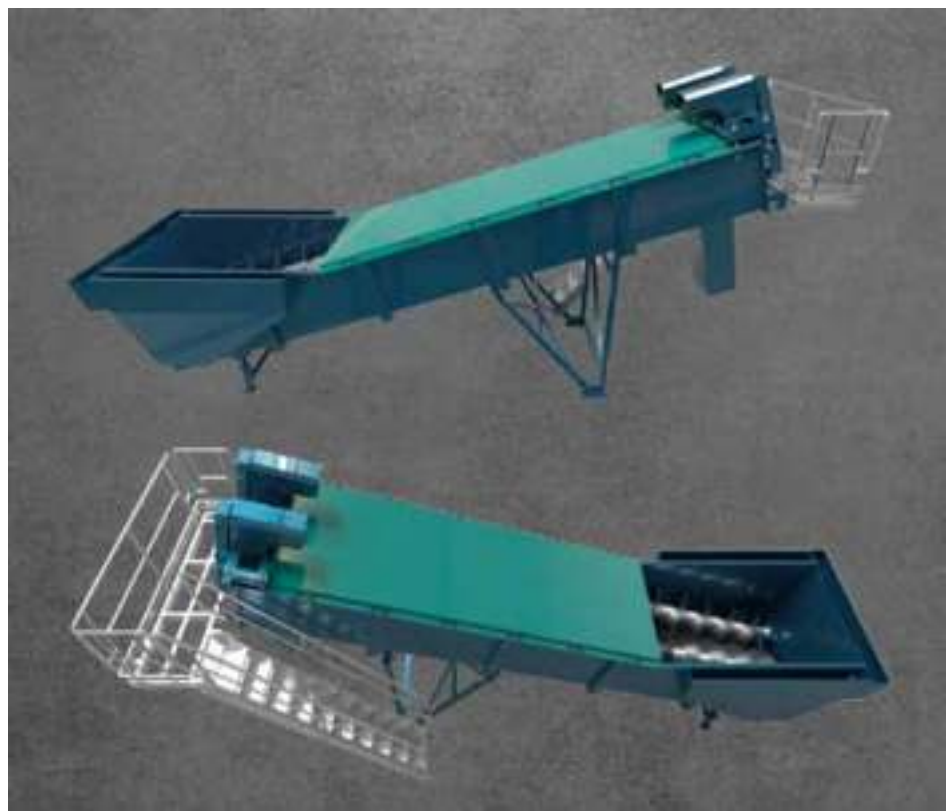


BetonGain Concrete Reclaimer System

Fresh Concrete Recycling System BetonGain is purposefully designed to cater to fields with high-volume concrete sales, particularly addressing the challenges posed by the intensive transportation of volumetric concrete. Derived from a screw washer, BetonGain is meticulously arranged for Readymix Concrete Plants, with a focus on achieving high-speed operations to accommodate the demanding schedules of truck drivers.

The most notable enhancement in BetonGain lies in the upgraded drive group and service conditions tailored for concrete batch plants. With a targeted capacity of 15m³/h, BetonGain efficiently separates 1m³ of waste concrete in a theoretical cycle lasting 4-5 minutes.

Customer experiences affirm that in the F of concrete batch plants, BetonGain emerges as an ideal solution for the single-classified aggregate separation process.



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TECHNICAL DETAILS

Sizes	750 x 7.500 mm – Double Screw
Capacity	15 ton/h
Electric Motor	2 x 7.5 kW, 1500 rpm
Transmission	Gearbox With Triple Chains
Screw Material	St 52
Body	St 37 - 6 mm

- Protection hatches, platform, and ladder are galvanized.
- Control panel with a 380 V plug and cable is included for seamless operation.

BetonGain's technical specifications ensure robust performance and efficient separation, making it a reliable and effective solution for the unique challenges presented in the dynamic environments of concrete batch plants.

