

## Starwash

The Three Star “Screenings Treatment and Reduction Wash” offers unparalleled biological solid reduction whilst maintaining an impressive compaction ratio and dryness fraction. B.O.D (Biological Oxygen Demand) has been found to be as little as 8mg/l during site trials. Reliability however has been the main priority in the development of the system and the system has been optimised by using proven compaction technology with the addition of pioneering cleaning techniques. A selection of carefully designed alternatives have been created to handle even the most demanding applications cost effectively.

The STAR Wash can take the place of any compactor mounted under screening equipment or as a stand alone unit fed using launder troughs.

The system uses an Archimedean screw to linearly transfer gross solids from a reception and dewatering zone through a washing section into a compaction zone before eventual discharge.

Cleaning is undertaken using high pressure water jets located internally (on the Archimedean screw). The liquid is expelled from the transfer member through a plurality of holes at the compaction end and also through a number of slots in the reception zone.

Designed with reliability in mind, the system does not utilise any form of cutter/blade or macerator and is not subject to excessive grit wear.



# S.T.A.R Wash

Proven design with track record stretching back to 2003.

Installed at over 30 sites in the UK.

All moving parts fully guarded.

Manufactured under a Quality System accredited to ISO 9001.



## Under Screen System

Installed in the usual place for a compactor, being fed directly from the screen discharge chute. As situated above the channel coping, the liquid return is achieved using gravity only with a system of pipes feeding back before the screen. The in to out screen orientation allows the compactor to be installed inside the screen so that liquid discharges straight into the upstream flow with no need for pipe work. The recycled solids can be discharged directly back to the main screen surface for re-screening.

## Key features

- Suitable for screenings loads up to 9m<sup>3</sup>/hour
- Screenings washed and compacted by a single unit
- B.O.D (Biological Oxygen Demand) has been found to be as little as 8mg/l during site trials
- Impressive volume reduction and dryness fraction
- Can replace existing compaction only units due to small footprint
- Standard material of construction is painted MS
- Tested at NSTE Netheridge 2015.

## Options

- 150mm, 200mm, 300mm or 400mm diameter for varying throughput requirements
- 304 and 316 stainless steel options available
- Stand alone, under screen or integral screen mounted
- ATEX certified screens for use in hazardous areas
- Control panel and field cabling.

In line with Company Policy of continuous product development, we reserve the right to modify any specification, dimension or design.

## Process Equipment Division

A & J WATER TREATMENT  
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