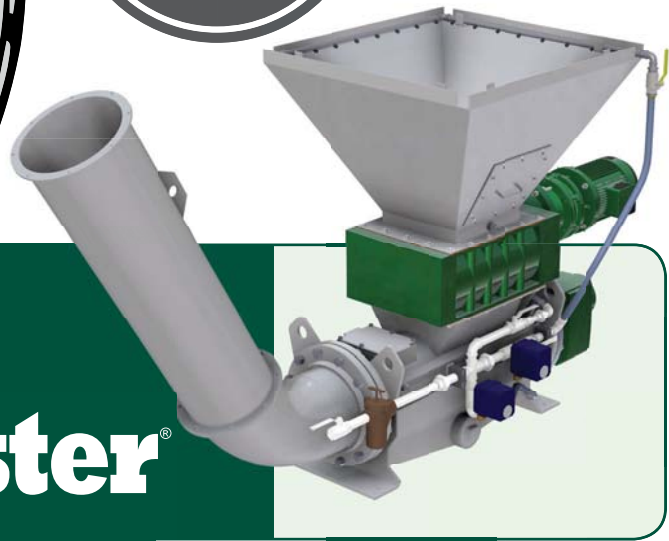




Adaptable to changes in environmental legislation



Screenings Washer Monster®

Overview

The Screenings Washer Monster (SWM-XEM) produces an ultra-clean discharge using a unique system to grind (optional) wash, compact and dewater debris captured by a screen.

Screening discharge quality is approx. 50% better and the unit can easily handle gravity main sewer first flush loading when the grinder option is used.

The key to the SWM-XEM's cleaner discharge is the grinding. It breaks open rags, plastics and trash to expose more surface area for washing and removing soft organics. Liquefied organics return to the plant flow and allow the SWM-XEM to achieve dry solids content up to 50%.

Ground material compacts better, allowing the system to reduce volume up to 95%. The result is savings in time and money since fewer waste container pick-ups are needed. The discharge is low in faecal content, eliminating odour problems, safety issues, unsightly discharge, leaking skips and hazardous waste fees from haulers and landfills.

The SWM-XEM's hopper and discharge tube are customized to fit each site. Maximum discharge height is 3 metres.

Features & Benefits

Dual Shafted Grinder (optional)

- Muffin or Macho Monster® grind solids for efficient washing and compacting, particularly good at handling first flush loading for long gravity sewers
- Provides protection against rags wrapping around auger that potentially cause blockages

Triple Zone Spray Wash

- Hopper wash system conveys screenings into the grinder
- Upper tank wash cleans screenings and removes soft organics
- Periodic lower tank wash flushes away sediment to maximize discharge flow

Controller

- Allows site specific programming to give optimum results
- Ethernet and SCADA capable

Wash Tank and Screening Trough

- 6mm perforated screen separates solids. 3mm openings also available.
- Two 100mm drain ports allow large launder flows-up to 12 l/s
- Multiple access ports for easy inspections

Dual Helix Auger

- Rugged design compacts and squeezes water from solids
- Exclusive brush attachment keeps screen clean and eliminates material catch points



From this...



...to this! It takes a Monster to get screenings this clean!



JWC
International®

Trust Monster Quality™

www.jwci.co.uk



Screenings Washer Monster®



Operation

- 1) Hopper transports screenings from screen to SWM-XEM.
- 2) Grinder breaks up material (optional)
- 3) Screenings are washed, separated, dewatered and conveyed to compaction zone

- 4) Soft organics (faecal) are liquefied, pass through the perforated screen and return to the waste stream
- 5) Screenings are dewatered, compacted, and conveyed to the discharge point where they emerge as a dry, solid plug

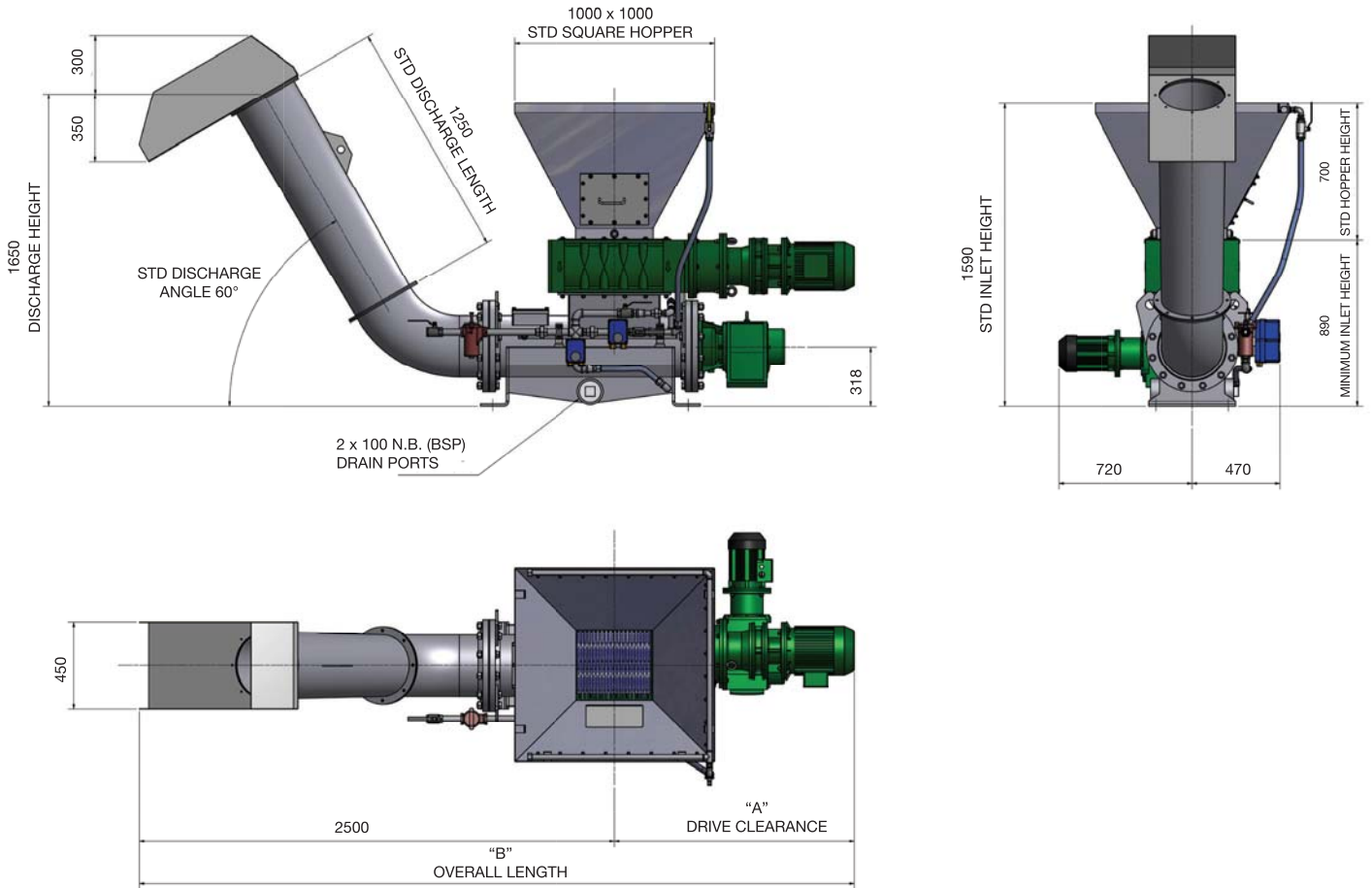
What is important for screenings handling equipment?

Now there are three SWM-XEM options

Model	SWM-XEM 0018	SWM-XEM 3018	SWM-XEM 4018
Optimum Organic Content	X		
Optimum Dry Solids %	X		
Optimum Washing	X		
Reduction of Volume			
Life Cost			
Odour / Nuisance	X		
Upgradeability			X



Screenings Washer Monster®



Materials of Construction

Tank, Hopper and Tubing: 304 Stainless Steel

Piping: 304 Stainless Steel/ reinforced rubber

Auger: Alloy steel

Grinder: Ductile Iron housing; hardened alloy steel cutters – 60-65 HRC

Equipment Sizing

FEATURE	SWM-XEM-XEM 0018	SWM-XEM-XEM 3018	SWM-XEM-XEM 4018*
Capacity	6.0 m ³ /h	2.0 m ³ /h	6.0 m ³ /h
Weight	729 kg	950 kg	1265 kg
Grinder	None	Muffin Monster	Macho Monster
Grinder motor	None	4.0 kW	7.5 kW
Auger motor	2.2kW	2.2kW	2.2kW
A-Drived End Clearance	900mm	1050mm	1280mm
B-Overall Length	3400mm	3550mm	3780mm
*Discharge Angles	60° Standard; 45° and 90° Options		
*Discharge Tube Length	1250 mm Standard; 1500 mm, 1750 mm, or 2000 mm Options		
Options	Custom Hopper Sizes, Hopper covers, Level controls or Discharge bagger.		

* SWM-XEM4018 shown with standard hopper & discharge configuration.

Screenings Washer Monster®

Options



SWM-XEM without a grinder



Custom hopper sizes and hopper covers



Bagger

Photo Gallery



JWC
International®
Trust Monster Quality™

Unit 15, Daneside Business Park
River Dane Road
Congleton, Cheshire CW12 1UN
United Kingdom
Phone: +44 1260 277047
Fax: +44 1260 277557
jwci@jwce.com



www.jwci.co.uk