

Cherrington Lift and Screen Method: The Process

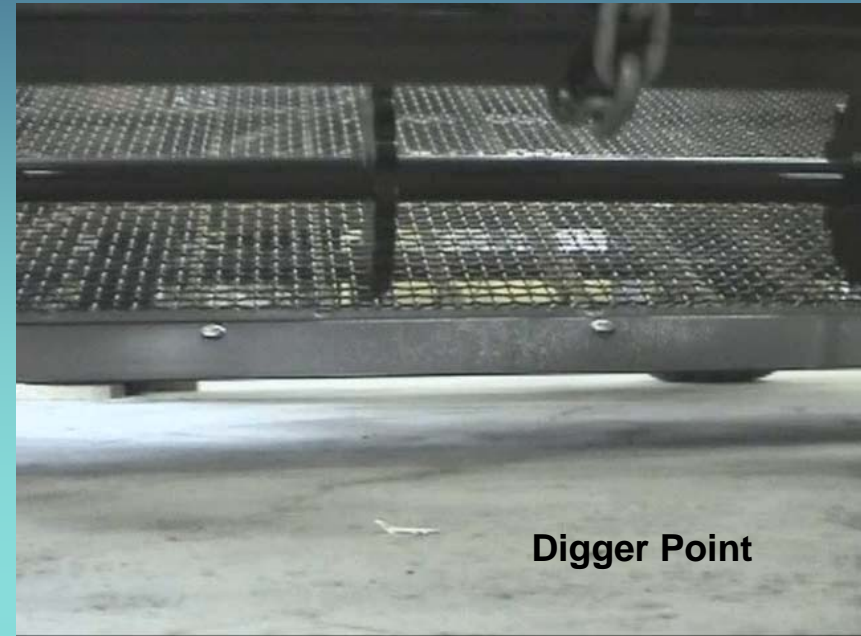
The Lift and Screen Process is simple, fast and effective:

1. Digger point engages and digs into the sand up to 150mm deep.
2. Conveyor loading paddles pull the sand and debris up and over the screen.
3. The oscillating screen immediately sifts the sand back to the beach as the loading paddles continue to carry the debris to the hopper.
4. Debris loaded into the hopper is dumped into trucks or dumpsters (or onto the ground).



Cherrington Lift and Screen Method: Design Features

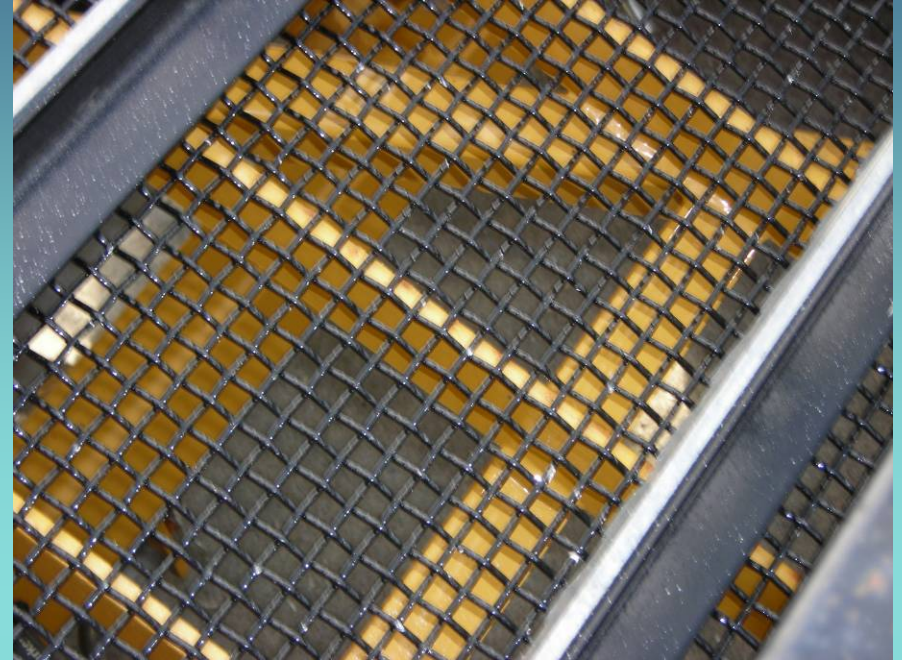
Digger Point: Hydraulic depth control with auto return to the same depth. Slice a complete layer of sand and debris up to 15 cm deep.



Loading System: Cherrington uses long-life, pre-stressed chains and galvanized steel loading paddles for a simple and efficient method of carrying all the unwanted debris into the hopper.

Rubber idler wheels support the steel loading paddles.

Cherrington Lift and Screen Method: Design Features



Screens: All Cherrington Beach Cleaners use a non-rotating, but oscillating, sifting screen.

Glide pucks keep the flights from actually contacting the screen for longer life of both.

Screens are quickly and easily changeable to meet varied job site demands.



Screens are available in 95mm, 127mm, 159mm, 191mm, and 254mm screen hole sizes.

Cherrington Beach Cleaners are self-loading screeners.

Loading paddles carry sand & debris across the face of the oscillating sifting screen.

Pre-stressed chain & carbide glide pucks on each end of paddle for long life.

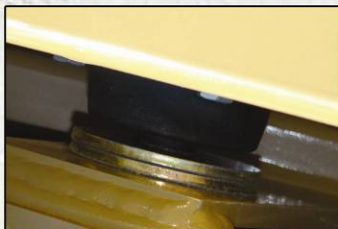




Cherrington's tractor model sifting screens use a high speed hydraulic elliptical motor to produce short, but intense, movement to the screen.

The screen frame and elliptical motor are mounted on aircraft quality rubber isolators and attached to the screen. These isolators allow the exact amount of movement needed to the sifting screen, but no vibration to the frame.

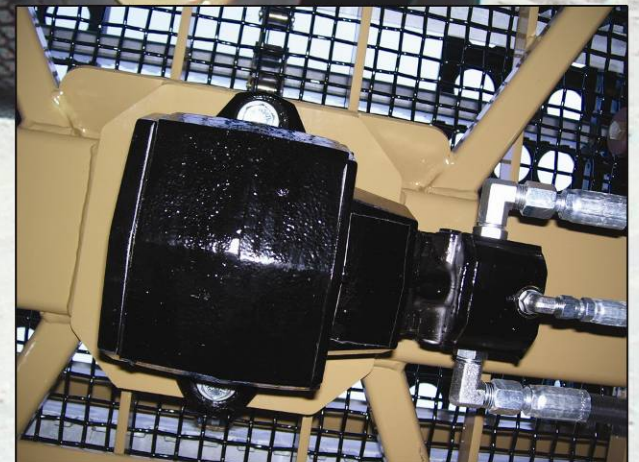
This innovative system easily screens all types of sand immediately returning the screened sand for a perfect beach.



Rubber Isolators



Oscillation control valve – select the exact amount of screen oscillation for varying conditions



Hydraulic elliptical motor

