



Flip-Flow Vibrating Screens remove fines out of wet, sticky or generally difficult to handle materials. Materials processed using a Flip-Flow Vibrating Screen typically cannot be screened using other technologies, such as rotary screens, conventional vibrating screens, etc. Applications where the screen might be used include municipal solid waste, tire recycling, C&D waste, glass recycling, biomass, metals, food recycling, drug recycling, used car recycling, slags from incineration, oil and sludge, etc.

Screens are made of high density polyurethane panels. Each panel is fixed to both the main frame and the sub-resonant frame. By amplifying the vibration of the main frame of the screen in the sub-resonant frame and due to the polyurethane panels being fixed to both frames, screen panels bump together creating the “flip-flow” motion. This ensures that screened material will not stick or get caught in the screen.

SAFER

Flip-Flow Vibrating Screens use elastic mesh screens made from polyurethane. These screens can be fixed manually by using wedges of polyurethane. This greatly facilitates maintenance and allows for fast, safe replacement and assembly.

SIMPLER

Panels are mounted in separate sections with screen size ranging from 13” to 16” depending on the product and mesh opening needed. Using polyurethane screen panels allows for long wear life. Off-the-shelf parts are also available for ROSTA springs, Italvibras vibratory motors, and more.

SMARTER

Hardness and thickness of the polyurethane is changed according to the size and requirements of the product being processed. For applications requiring unique separations, the Flip-Flow Vibrating Screen can be designed with other types of screen surfaces. These screen types can either be on the same machine or on a set of two different machines. Using two separate machines allows users to combine different vibration frequencies and amplitudes for each screening surface and product.

