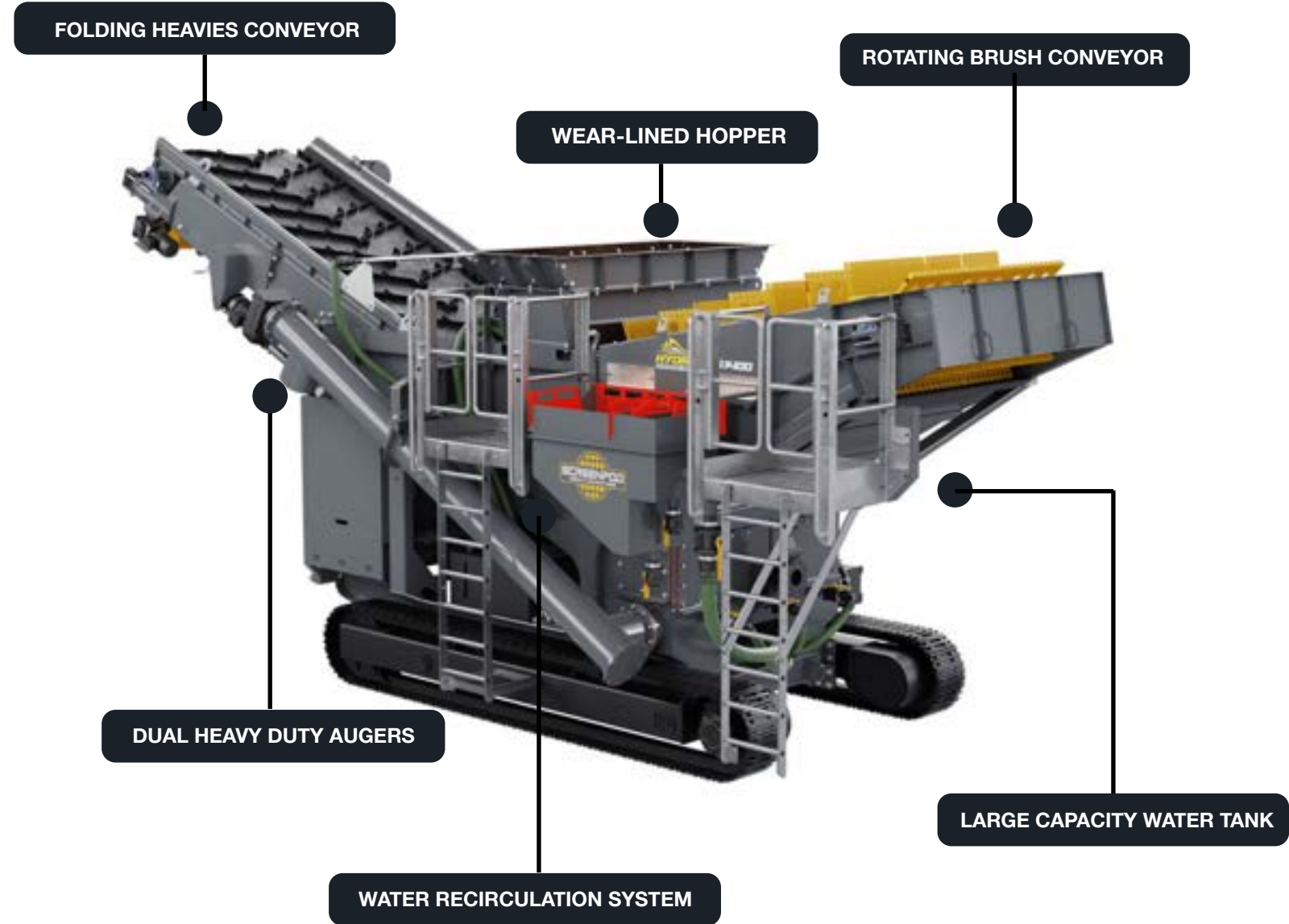




SCREENPOD | HYDRA TFS1400 FLOTATION SEPARATOR



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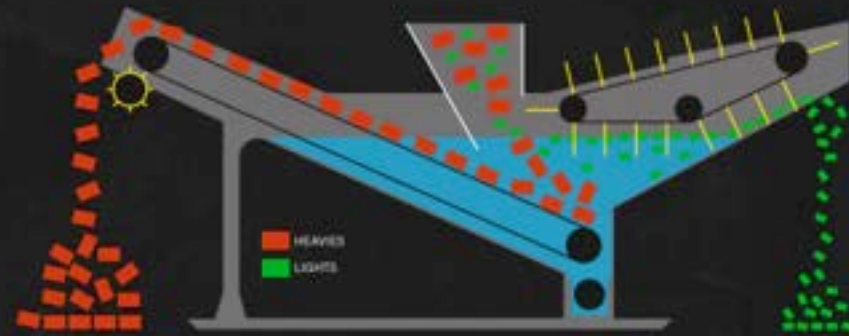
Screenpod
Water Density Separation Range
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Screenpod | HYDRA TFS1400

Flotation Separator

How it works

The flotation separator effectively separates low-density materials like wood and plastic from high-density materials like stone and concrete. A mixture of heavy and lightweight materials is fed into the top of the machine via a conveyor, and as the material falls into the water, the buoyancy causes the lightweight material to float while the heavyweight material sinks. A conveyor at the tank's base removes the heavy material, while a brush conveyor skims the lightweight material off the water's surface, efficiently separating the two types.



FEATURES

- Large Capacity Water Tank for material separation
- Can handle material ranging from 10mm to 150mm (0.39" to 6") in size
- Rotating brush/paddle conveyor for light material removal
- Wide, folding conveyor to carry heavy material out
- Dual heavy-duty augers for sediment and fines removal
- Rotary brush for cleaning heavies' conveyor
- Water jets for improved material separation and preventing sediment build up
- Side mounted sediment tank with removable filter elements for easy cleaning
- Float valve on inlet water supply to keep tank topped up during operation
- Wide hopper lined with wear plates
- Electrical control panel with clear layout for straightforward operation
- Walkways with ladders for service access
- Removable doors on main tank for maintenance
- Water hoses fitted with quick couplers for easy removal and maintenance
- 40KVA generator

BENEFITS

- Outstanding separation of lights and heavies from material streams
- Can reduce and ultimately replace need for manual sorting of various materials
- Improves quality of processed materials produced
- Significantly faster method of separation than manual sorting
- Higher rates of recycling and larger volumes of extracted material
- Can remove materials that can be sold for recycling to create new revenue streams
- Reduce amount of waste destined for landfill, lowering disposal costs
- Low dust emissions from water soaked output materials
- High throughput and low operating costs
- Variable settings to suit a wide range of applications

APPLICATIONS

- **Construction & Demolition Waste**
- Wood Recycling & Timber Production
- Commercial & Industrial Waste
- Household Waste
- RDF Production
- SRF Production
- Compost Production
- Plastics Recycling
- Paper & Cardboard Recycling
- Electronic & Electrical Waste



TFS1400 Dimensions & Weight

Length	6276mm (20' 6")
Width	2332mm (7' 7")
Height	2123m (7' 0")
Weight	4,600kg (10,583lbs)