Sink Swim Tank

For Automatic Separation of Non-Floating Materials such as Stones, Soil & Metal from Floating Plastic Materials

Telford Smith offers a range of recycling & washing lines for plastics including bottles, drums, irrigation tubes & pipes, agricultural film & more. We are able to offer turn key solutions incorporating size reduction, electronic sorting & separating, extrusion & pelletising lines.

Our range of recycling & washing equipment for plastics includes:

SIZE REDUCTION SHREDDERS  WASH GRANULATORS  FRICTION WASHERS  MECHANICAL DRIERS  FLOAT SINK TANKS  WATER FILTRATION  DEWATERING & COMPACTING

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Shredded or Granulated material is discharged into the front end of the SST and is moved along the tank by a succession of motorised paddles.

The agitating action of the paddles pushes the material under the surface thereby separating the floating material from the heavy contaminants which sink to the bottom of the tank.

All paddles are equipped with independently controlled variable speed drives in order to optimise the separation process.

Materials which sink to the base of the tank are continuously transported by a horizontal Auger to one end of the SST where they are removed from the tank by an inclined auger and discharged into a receptacle.

Specifications

Tank Length ........................................6,000 mm
Tank Width ...........................................1,500 mm
Agitator Paddles Motors .... 5 x 1.1 kW Variable Speed
Final Lifting Paddle Motor ........ 1.1 kW Variable Speed
Horizontal Auger Motor ............ 3.0 kW Fixed Speed
Inclined Auger Motor ............... 1.5 kW Fixed Speed
Water Level Control Device
Safety Guarding
Stainless Steel 304 Tank & Accessories
Operator Access Platform with Steps & Support
Structure Fabricated from Carbon Steel & Painted

Advantages

✓ Independent speed control of all paddles for improved performance
✓ Low cost separation of heavy contaminants from plastic
✓ Soaking of material results in improved washing
✓ Stainless steel contact parts
✓ Safe access via mezzanine and steps