Project Data Sheet

Big Bag & Sack Charging System

Contract Value £35,000

Client: DSM Composite Resins

Technical Data

Big Bag Discharger	-	To take standard 1 tonne big bags of Calcium Carbonate
Sack Tip Unit	-	To take standard 25kg bags of Titanium Dioxide
Batch Size	-	14>20 tonne Cacium Carbonate >3 tonne Titanium Dioxide
Discharge Rate	-	Variable >30 tonne/hour for Calcium Carbonate

Plant Description

Big Bags and sacks are hoisted to the working flow via a liftwell to charge a reactor vessel.

The reactor vessel is on load cells and is first filled with resin. Once the vessel has the required volume, the systems calls for Calcium Carbonate and Titanium Dioxide.

Big Bags of Calcium Carbonate are lifted onto the discharge station which ensures the product is discharged in a clean and safe manner. A screw feeder with variable speed drive controls the feed of the material to the reactor. Titanium Dioxide sacks are discharged via a proprietry sack tip unit with integral fan and a screw feeder to the reactor.

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