Heavy-duty screw conveyor project - 34031

Specifications

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•House manufactured in carbon steel
•Screw flights in Hardox-450
•Coupling between screw shaft and the gear box
•Extra heavy packings used to ensure optimal tightness between the through and the lid
•Painted according to customer specified color
Link to similar project

Additional Information:

Applied steel in product:	Carbon steel, Hardox plate
House:	Through
Industry:	Insulation, Recycling, Waste handling
Product type:	Screw conveyor
Surface treatment:	Carbon steel – painted
Transported material:	Insulation

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Short Description

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Heavy duty screw conveyor project with HARDOX screw flights for maximum lifetime. Complete transportion system with 15 through heavy-duty screw conveyors. All screw conveyors to be installed in series.
BEMA has designed the screw conveyors after receiving the initial layout from the client.

What is an example of a full BEMA project?

1. Measurement on-site. BEMA has a 3D scanner camera, which we can bring to the place, where the heavy-duty screw conveyors shall be installed. We make the measurments and go back to the office, where we start the design process.
2. Desigh phase. In our office we design the screw conveyors in our 3D-CAD system and make sure that they fit according to the scanning performed in the beginning.
3. Before we approve for production we always send the main machine drawings to the customer and ask for feed-back and eventually clarifications. Sometimes things have to be changed or modified. It is very important that the customer is involved in this
4. After approvals of drawings, we start the production. Typically production time is 6-8 weeks depending on complexity of the machines. During the production we make quality checks due to the specifications in the design phase.
5. When all parts of the machines are manufactured, we assemble the machines. A screw conveyor is for the most a one time manufacturing machine. This require a complete assembly to ensure that all parts fit together. In case of minor troubles, we can immediately make the corrections.
6. No machines are delivered without a trial run in BEMA with power on the gear box. We let the screw conveyor run for 2-3 hours and measure the temperature on the gear box, the bearings and around the pack boxes to check that everything is within the limitations. The customer is always welcome to participate in the FAT, and we often have visitors to look on the machines, before they are shipped.
7. Finally the project is packed and shipped. BEMA is approved to handle ISPM-15 wood, and we can pack to truck load as well in containers all according to customer requirements.