



Agriculture Bulk Material Handling Equipment

Springfield, Ohio



The evolution of Sweet Manufacturing's (SM) agriculture bulk material handling equipment is a testament to the proven, durable, and long-lasting nature of hot-dip galvanized steel. A user of galvanized steel elements for over 20 years, SM began to expand upon their line of food and grain conveyors.

The new conveyers were developed to be much larger than previous versions, and were intended to be shipped internationally to Mexico, Chile, Brazil, and other South American locations. Because of the treacherous nature of shipping large items abroad, the specifier required a coating that could survive the rigors of transportation.

Galvanized steel is the ideal choice for corrosion protection under these circumstances, as the durable zinc coating provides superior barrier and cathodic protection for the pieces. The zinc coating is tightly bonded to the substrate steel zinc-iron alloy layers of up to 250 DPN hardness protecting the steel beneath. Such strength is important, as the pieces are likely to be exposed to rough handling during shipping.

In addition to barrier protection, hot-dip galvanizing also provides cathodic protection, which means the zinc will sacrificially corrode to protect the areas around any small scratches ionically – preventing the nick from future corrosion. Galvanized steel will ensure the piece arrives undamaged and ready to be put in the field.

The quality of galvanized steel has proven itself to SM, who went from galvanizing only a few small elements of the piece, to exclusively galvanizing all possible elements of the conveyors. They now utilize 350 tons of galvanized steel per year for the conveyors, which arrive at their destinations with a gleaming zinc finish ready to perform for generations. 🌱

Galvanizer

V&S Columbus Galvanizing LLC

Fabricator/Specifier

Sweet Manufacturing Co.

food & agriculture



American Galvanizers Association