

SCALPING CORN



Design Requirements

1. Product Type: Whole Corn
2. Capacity: 60,000 Bushels Per Hour (3,000,000 Lbs./Hr.)

Customer Challenge

This cooperative had hoped to replace its 35-year-old, 30,000-bushel-per-hour (bph) grain cleaning system, but other urgent customer-facing projects were prioritized over a new grain cleaning system for nearly five years.

- The cooperative's old system had to be removed from a small, confined space 120 feet in the air between two concrete silos.
- The new system, with double the capacity, had to fit in this same space.
- Since the Union Pacific railroad runs so close to the south side of the facility, where the cleaner sits, the system had to be elevated with a crane from the north side of the silos, which restricted the view of the crane operator.
- Cleaning systems this large typically consist of two cleaners rather than one large cleaner, but there wasn't room for two.

Triple/S Solution

Triple/S Dynamics engineered its largest Texas Shaker® vibratory grain cleaner yet, a system that scalps corn at 60,000 bph or 3,000,000 pounds per hour! This machine was big. 8' wide decks by 10' long, stacked 10 decks high. Over nineteen feet high!

Triple/S and the Customer

Installation was tricky but successful. The cooperative reports that "they can't feed it fast enough". They can easily fill 100 train cars in 10 hours!