

# Grain Vacuum Probe

## Challenge

John Henry Foster Company was contacted to design and deliver a turnkey solution to control a grain extraction probe that takes samples of grain from trucks for moisture testing. The probe had to be capable of extracting grain from the bottom of the truck bed to get an accurate moisture count.

## Goals

- Install hydraulic system with six direction probe movement
- Hardwired system – no programmable controls
- Joystick control
- Easy installation for residential electrical contractors
- Turnkey system, assembled and tested at JHF

## System Features

- 3-5 HP hydraulic power unit
- 3 axis of movement (in/out, up/down, left/right)
- Optional warning horn, lighting, and vacuum controls
- Multiple supply voltages available
- Remote joystick box
- C-UL listing available

## Project Successes

- Over 110 systems built
- World-Wide installations
- Meet tight delivery schedules during springtime and harvest
- Tested, assembled, ready for final installation when shipped from JHF

