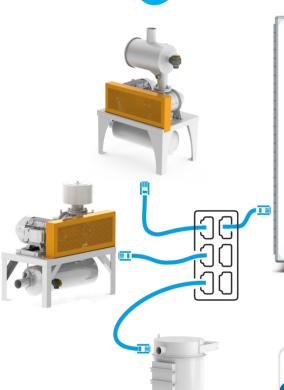Blending | Controls | Analytics

**TSM**

# RAILCAR
# UNLOADING

## Benefits

- Graphical feedback of system set-up and performance
- High Definition touch-screen display
- Built in VNC server allows remote monitoring of the HMI
- Sensors prevent material plugs in the conveying line
- Pump oil change and filter change alarms
- Smart control will dynamically control the amount of material in the system to maximize the throughput

**TSM**

Railcar Unloading Control

**TSM**

Railcar Unloading Control

POWER
OFF    ON        START        STOP

## CONTROL PERFORMANCE

- Silos          Up to 36
- Pumps          Up tp 8 Vacuum & Up to 8 Pressure
- Airlocks       Up to 8
- Diverter       Up to 16
  Valves
- Control        24 VDC
  Voltage
- Data           24 VDC or Ethernet

# **RAILCAR**UNLOADING

The TSM **Smart Railcar Unloading Control** automatically optimizes your system. The system integrates control function for multiple railcar unloading systems, airlocks, directional valves, silo monitoring all into a single touchscreen display.

With a push of a button, the railcar system will automatically calibrate, and re-calibrate to an ever changing system, making sure that you are running at peak efficiency which will reduce labor costs and decrease unloading times.

The Intuitive display allows authorized users to dynamically view and manage the entire process and make necessary changes on the fly. With it's built in VNC viewer, control over your processes has never been more accessible.

## **Vacuum & Pressure Pumps:**
Soft Starters can reduce electrical costs and prolong equipment lifetimes. Wiring is greatly reduced with the ability to use network hubs for multiple equipment.

## **Filter Receiver and Airlock:** Airlocks
with VFD controls are available for maximum control. Sensors throughout the system allow the control to make decisions about how best to keep equilibrium, increasing throughputs and reducing strain on the system.

## **Silo Level Control:**
Communication between the silo level control and railcar unloading control allows for automatic shutdown of the system and quicker silo changes.

## **Diverter Valves:**
Coordinate with up to 16 diverter valves across multiple fill lines.

## **System Flexibility:** With Ethernet connectivity, wiring
becomes simple. Integrate existing equipment, or add equipment later, one control is powerful enough to handle even the most complex situations.

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