



## Partners in Growth

AM-Manufacturing is proud to announce we have successfully moved into our new office and Manufacturing Facility in Charlevoix, MI.

# COMMERCIAL PROJECTS REVIEW

## Open Loading Spout

The AM-Manufacturing "controlled-flow" loading spout has been designed using the best available technology for eliminating dust emissions and speeding load-out operations. The spout is designed so that the product stream and dust laden air are separately contained from the inlet to the final resting point within the container, vessel, or vehicle.

Budgeting Proposals

Design & Planning

Retractable Loading Spouts

General Construction



*Enclosed Loading Spout*



*Open Loading Spout*

## Enclosed Loading Spout

All Spouts are raised and lowered by a three cable hoist system with an external gear reducer and drive motor. Limit switch(s) are provided as standard equipment to stop the drive motor when the spout reaches the full up or the full down position.

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## Operation Logic: Integral Filter Dust Collector

Input power is applied to the timer control circuit board, which is in parallel with the low voltage (120/60/1) coil of the fan magnetic starter. Upon fan start power is supplied to the control board, and "preset" off time is initiated. At the end of the "off" time, the control energizes a solenoid that provides the cleaning pulse for the filter tubes, and then steps to the next segment. This cycle is continuous unless an auxiliary control, such as a pressure switch is used to control the timer.



*Dust Collector*



*Dust Collector*

## Spout Positioner-

The Hopper seals of your AM-Manufacturing Spout Positioner, are self adjusting, and come pre-set in a replaceable cartridge assemble from the factory. The Hopper Assembly is supported by V-groove cam followers riding in an angle track with which is bolted to the inside of the Spout Positioner Main Frame. Dual chain driven with external motor /reducer set up.



*Spout Positioner with Factory Wiring*

### Partners in Growth

Open Loading Spout

Enclosed Loading Spout

Spout Dust Collector

Spout Positioner

Airslides

Slide Gates

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