

# PRODUCT LINE REPORT

## CUSTOM DESIGN SCREW FEEDERS

**ADVANCED  
TECHNOLOGY  
PROVEN DESIGN**

### APPLICATION REQUIREMENT:

Customer required a Volumetric Feeder to meter 1 cu. ft. batches of free-flowing powder weighing 130 lbs. per cu. ft. at rate of 180-480 lbs. per hour. Accuracy is needed to feed a complete batch into the process with minimal product retained in the feeder. Due to process concerns, 304S/S construction is preferred on all interior and exterior components. The feeder must also be easily removed from the process when not in use.



### EQUIPMENT SUPPLIED:

Young Industries supplied a Volumetric Screw Feeder with a 1.5" dia. heavy shaft helix with bearing supports on both ends. The unit has a 12" dia. conical hopper that transitions directly to the screw housing for minimal product retention. All components where possible are 304S/S and the unit is driven by shaft mounted direct drive with VFD capabilities.

**CUSTOM DESIGN TO MEET THE  
PROCESS REQUIREMENT.**