Process

After being dissatisfied with a competing company, the customer came to FEECO to develop and manufacture a custom pelletizing line for transforming their raw synthetic gypsum into a soil amendment product.

The project began with testing on a continuous scale in the FEECO Innovation Center, where process data around the specific source of synthetic gypsum was gathered. This data was then used to scale up the process and design a complete pelletizing system.

FEECO was able to expedite the project timeline with the provision of a pre-built disc pelletizer, which allowed the customer to get their product to market as quickly as possible.

FEECO also assisted the customer in working through start-up challenges to bring the plant online at commercial capacity to quickly meet market demand.

In addition to the pelletizing system, FEECO also provided three continuous chain-style bucket elevators.

All equipment was designed with synthetic gypsum’s abrasive quality in mind, which included using cold-rolled steel pins with an abrasion-resistant coating in the pin mixer.

Project Specs

Customer: Proprietary

Equipment Supplied:
- Pin Mixer
- Disc Pelletizer
- Bucket Elevators
- Weigh Belts
- Bin Bottoms
- Rotary Feeders

Project Location: USA

Industry: Agriculture

Material: Synthetic Gypsum

Project Engineer: FEECO International, Inc.