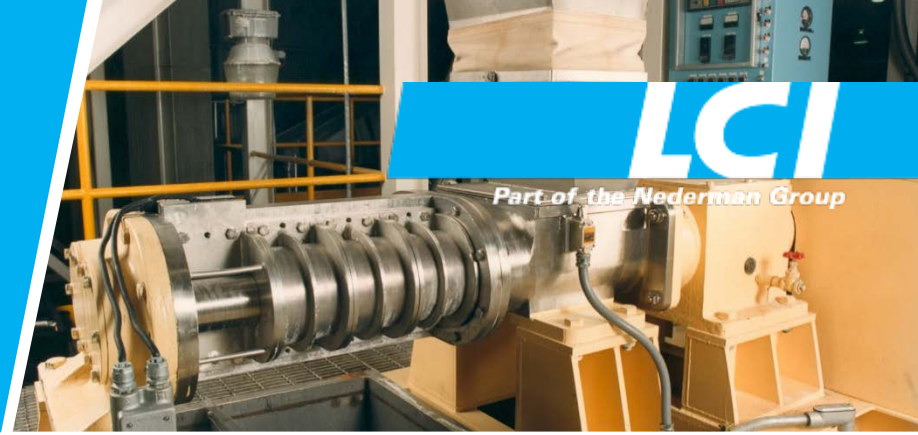


FOOD & BEVERAGE

COUNTRY: USA

PRODUCT: Extrusion System

KEY BENEFIT: Enhanced Product Performance



Performance of a Beverage Additive Improved by a LCI Extrusion Technology

Problem:

Clients of our customer, a major producer of beverage additives, were complaining that the product had poor flow characteristics, was very dusty, and did not disperse well in water. Our customer tried to solve this problem using other granulation methods, however, the product was not improved to the level required by their clients. They approached LCI for assistance.

Customer Objectives:

- Produce a product that flows well, is dust free, and that easily disperses in water
- Product should be granule with a diameter of 1.2mm
- Design a fully automated continuous production system, requiring minimal operator intervention
- The production system must meet food grade standards, especially cleanability

Solution:

Trials at the LCI Test Facility successfully demonstrated the capability of our Extrusion system to yield a product that was dust free, flowed well, and exhibited rapid dispersibility in water, meeting our customer's objectives. Based on scale-up data obtained during the LCI trials, a fully automated system was designed by LCI and installed at our customer's site.

The system was successfully commissioned with the presence of LCI and has been operating successfully and meeting our customer's market demands for this product. The system operated at a yield of 98% with minimal down time.



LCI Offers many agglomeration technologies that could enhance the performance of your new products, as well as your existing products.