

CASE STUDY

Sugar & Sweeteners

Reduce maintenance costs, improve cake discharge quality and increase sales with the Cricketfilter®.



amafilter
Filtration Group®

CASE STUDY

Sugar & Sweeteners

MAKING THE WORLD
SAFER, HEALTHIER &
MORE PRODUCTIVE®

Customer:

A global company that specializes in developing and producing functional ingredients from natural sources for food, feed and pharmaceutical products.

Industry:

Sugar & Sweeteners

Application:

Inulin

Location:

Europe



THE CHALLENGE

The company identified that their existing vertical pressure leaf filter systems were operating inefficiently leading to frequent maintenance interventions. Additionally, the cake discharge quality that was being produced did not meet the desired customer standards. To address this, the customer approached the Amafilter® team seeking a filtration technology that would optimise their inulin filtration process and achieve the desired cake discharge quality.

THE SOLUTION

The Amafilter® team advised the customer about the filtration benefits one of their other manufacturing operation experienced with the Cricketfilter® automated system for inulin filtration. The Cricketfilter® back flushing functionality consistently delivered optimal product quality, exceeding the plant's expectations for the same application. In addition, the Cricketfilter® automated system filter cloths were specifically designed for maximum filtration efficiency in this type of application, enabling the Cricketfilter® system to remove smaller particles more efficiently than the vertical pressure leaf filter systems previously installed.

THE RESULT

The plant purchased three Cricketfilter® automated systems enabling them to produce the high standards of inulin quality required by the food industry. Two years later, the plant responded to rising customer demand for their high-quality inulin by purchasing six more Cricketfilter® automated systems.

With the Cricketfilter® automated system, the plant has reduced maintenance costs and improved cake discharge quality. These enhancements have opened new sales opportunities, strengthening the company's market position.



The Cricketfilter®

The Cricketfilter® features and benefits:

- Up to 40% larger filtration area than traditional pulse tube filter systems.
- Large filtration area within a small footprint.
- Hermetically closed system and can be fully automated.
- Suitable for direct cloth filtration or precoat/body-aid filtration.
- High filtrate quality.
- The Cricketfilter® is simple to clean. It uses air or gas pulses for cleaning the elements section by section, without requiring a vibrator.
- Low maintenance.
- Suitable for a wide range of applications.
- The Cricketfilter® can be used with filter cloths of various pore sizes and materials. This reduces and at times eliminates the amount of extra pre-coating needed.

