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**CASE STUDY**

Food & Beverages Applications

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Amafilter®'s filtration solution removed 3-5% contaminants, delivering a high quality end product and a yearly capacity of 15 million tonnes of edible oils

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**Industry:**  
Food & Beverages  
**Application:**  
Edible Oil  
**Product:**  
Versis®

## THE CUSTOMER

A leading medium size oil mill producing and supplying cold-pressed rapeseed and sunflower seed oil to the food retail trade and processing industries. The company owns a patent to produce rapeseed and sunflower oil from peeled seeds, significantly reducing the unpleasant substances in the cooking oil, enabling them to produce an array of different high quality gourmet edible oils.

## THE CHALLENGE

The customer needed to achieve two objectives:

- Produce a yearly capacity of 15 million tonnes of cold-pressed rapeseed and sunflower oil to meet their growing customer base demand.
- To deliver their brand promise of supplying high quality gourmet oils, the company needed to filter out 3-5% contaminants and particles from the cold-pressed rapeseed and sunflower oils.

As an existing Amafilter® customer, they approached our team of experts for a filtration solution that would meet their filtration process requirements.

## THE SOLUTION

The Amafilter® team advised the customer that to meet their objectives they would need to install three Versis® pressure leaf filter systems providing 120 m<sup>2</sup> filter area. The Versis® system is extensively used in edible oils applications and proven to efficiently filter 3-5% undesirable particles from the rapeseed oil while maintaining the quality of the final product.

Furthermore, the Versis® pressure leaf filter system is automated, requiring low maintenance interventions, making it a cost competitive process.

## THE RESULTS

The installation of the three Versis® pressure leaf filter systems provided the customer with the rapeseed and sunflower oil production capacity they required to meet their growing market demand. They were able to filter the required levels of contaminants from the rapeseed and sunflower oils, providing them with the top quality end product desired for their gourmet edible oil brand.

The Amafilter® filtration solution delivered a high quality end product, ensured an hygienic process and reduced downtime, leading to a more profitable operation.

## OUR PRODUCT

### The Cricketfilter® features and benefits:

- Proven technology
- The pressure leaf filter is a closed filtration system which ensures safety when in use.
- The Versis® vertical pressure leaf filter system requires only a small footprint.
- Easy access to the filter leaves for removal of the cake.
- It is fully automated, making it safer and requiring limited maintenance, hence lowering operational costs.
- The regeneration time between the filtration cycles is short, lowering operating costs as the filter can filtrate for longer periods without disruptions. This also delivers greater production capacity.
- The pressure filter leaves are easy to clean.
- The pressure leaf filter system has no rotating parts, keeping maintenance to a minimum.

