

## The separation technology champion climbs into the ANUGA ring:

### the Flottweg Tricanter®

Flottweg SE will be exhibiting its undefeated champion of three-phase separation, the Flottweg Tricanter® at the ANUGA FoodTec 2015 in Cologne. Flottweg will also have the latest trends and some exciting developments in the field of mechanical separation technology in its corner.

The food industry is fiercely competitive for most companies. Not only do they want to win over consumers, but they also have to use valuable resources sparingly. So wouldn't it be good to have a real champion in your corner who will not let you down every time there's a minor problem?



Three-phase separation has now become a significant alternative in the food industry both for starch production for separating wheat starch and gluten or for extracting animal or vegetable fat and oil. In all these processes two liquids have to be separated from a solid phase. Previous processes used a decanter or separator to separate the solid from the liquid phase. The liquid phase then had to undergo another stage to

separate the two liquids. That meant at least two machines which had to be bought, maintained and operated. High costs for power, space and loss of value can force many companies to their knees.

To take care of these processes in a single machine, Flottweg will be presented the champion of three-phase separation at the ANUGA FoodTec 2015. The Flottweg Tricanter® makes it possible to separate two liquid phases from a solid phase as long as they cannot dissolve in each other. All in a single process. The decisive difference from previous decanters is the way in which the liquid is discharged. There are two liquid phases in a Tricanter®. A "heavy" liquid phase (higher density and discharged under pressure) as well as a "light" liquid phase (lower density and discharged without pressure). The adjustable impeller discharges the "heavy" liquid phase. Furthermore, the operator can use the adjustable impeller to adjust the pond depth of the heavy liquid without difficulty during ongoing operation. An adjustment mechanism causes the position of the impeller to change, thus changing the separation line of the liquids. The process engineering results can therefore be influenced so as to achieve the required separation result - simply unbeatable.

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**The Flottweg Tricanter®, the heavyweight in its class**

- Greatest possible purity of the liquids to be separated by using the impeller
- Other processing steps/separating stages can be dispensed with or are no longer required thereby ensuring lower costs for the plant owner
- Adjustment to changing conditions (product in the feed) possible at any time
- Automation is possible
- Produced, manufactured and developed in Germany, for the highest possible production quality

**Save the Date**

What: ANUGA FoodTec exhibition in Cologne

When: 24 to 27 March 2015

Where: Hall 9, Stand C-050

**Title:** Flottweg SE at the ANUGA FoodTec 2015 in Cologne

**Description:** Flottweg will be exhibiting the champion of three-phase separation at the ANUGA FoodTec in Cologne - the Tricanter®. Visit us in Hall 9, Stand C-050.

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