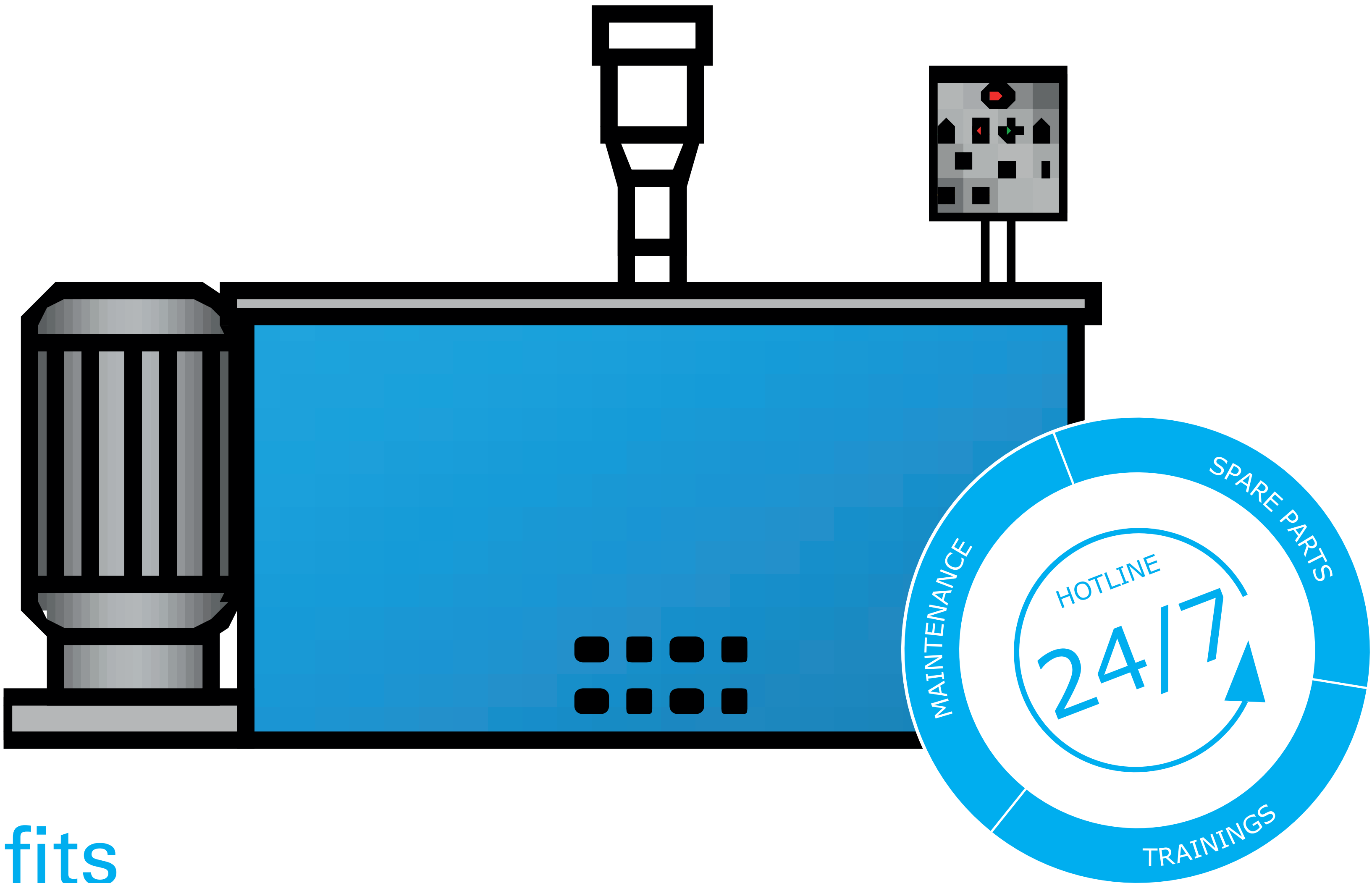
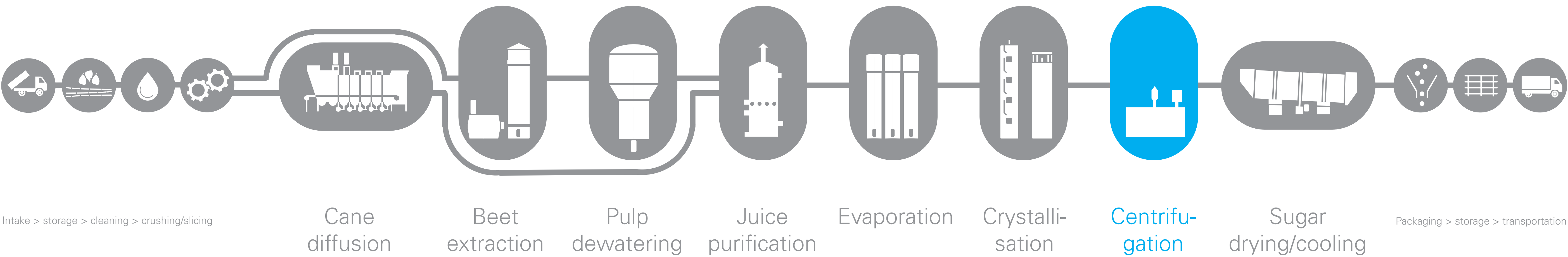


# Continuous centrifugals



## Principle of operation

In a continuous process, centrifugal forces separate the sugar crystals from the mother liquor. The massecuite passes through the centrally positioned feed pipe into the product distributor, where it is mixed, accelerated and evenly distributed. The K3300 has a two-stage basket, with most of the separation taking place at the lower pre-separation stage. The crystals move across the screen, they are washed and discharged via the basket edge. The product can be discharged in crystalline form (dry), as mixed or melted sugar, or pre-wetted.

A PLC system controls the centrifugal. The properties of the massecuite are crucial for centrifugal design and for the maximum performance that can be achieved.

## Benefits

- Throughput**  
High throughput despite very small housing dimensions  
1,030 x 1,990 x 1,990 mm.
- Life cycle cost**  
Minimal maintenance and long service life.
- Performance**  
Up to 25 % more throughput of highly viscous massecuites thanks to Turbo3 product distributor.
- Process customisation**  
Flexible tailoring to specific requirements such as high throughput, superior sugar quality or a low purity increase in the molasses.
- Sugar losses**  
Reduced sugar losses thanks to accurate wash water application in the upper and/or lower basket stage(s).
- Range of variants**  
The perfect configuration for every application.

**20<sub>mt</sub>** C product with a 1,300 mm basket diameter and 90 kW motor.

## Technical data (K3300; beet/cane)

Ø Basket top [mm]	1,300	
Motor rating [kW]	90	104
Max. throughput B prod. [mt/h]	38/35	44/40
Max. throughput C prod. [mt/h]	20/20	24/23

## References

Since the launch in 2009, **more than 650 K3300 centrifugals** have been shipped and installed.  
**Areas of application:** in **50 different countries**, in beet and cane sugar factories or in refineries, for B and C product.

## More information



<https://www.bma-worldwide.com/centrifugation/continuous-centrifugals.html>



**Sales** [sales@bma-de.com](mailto:sales@bma-de.com)  
**Automation** [sales@bma-automation.com](mailto:sales@bma-automation.com)  
**After sales** [after-sales@bma-de.com](mailto:after-sales@bma-de.com)



Continuous centrifugal brochure  
Technical questionnaire