

PROCESS
TECHNOLOGIES

SUGAR

Cail & Fletcher e-Crystal™

The new generation of continuous centrifugals



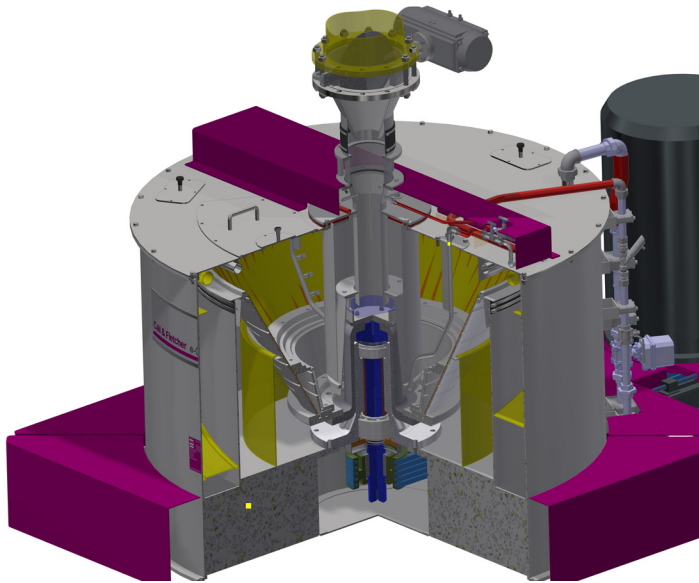
Cail & Fletcher e-Crystal™

Cail & Fletcher e-Crystal™: stand-alone technology for a 4.0 sugar centrifugation process.

- SMARTER operation and maintenance
- HIGHER capacity
- BETTER product quality
- EASIER operator experience
- GREATER flexibility

Go Smart

Combining 70 years of experience in continuous centrifugation with the latest technological innovations, the Cail & Fletcher e-Crystal™ offers ultimate features to improve your sugar production process



Maximized capacity

One of the most efficient baskets on the market:

- Massecurite pre-separation with large opening area
- High capacity screen
- Optimized basket rotation speed
- Lower energy consumption per ton of massecurite
- Robust stainless steel basket to accommodate high G forces

Performance in TMC/h	Beet			Cane			
	MC2	MC3	AFF.3	A+AFF.A	B	C	AFF.C
Nom. capacity	32	16	32	36	28	15	28
Max. capacity	40	20	40	42	38	20	38

Customized Smart technology

Fully automated with assisted monitoring & remote control:

- Powerfull and user-friendly Human-Machine Interface
- Real-time online monitoring thanks to reliable sensors (speed, vibration, temperature, pressure, flowrate, torque...)
- Automatic clean-in-place
- Data analysis for predictive maintenance and energy savings recommendations

High flexibility

Suitable with any type of massecurite application in cane, beet and sugar refinery:

- 2-stage centrifugation with early pre-separation phase
- Patented removable pre-separation basket to address heavy duty applications (high or low viscosity massecurite, high or low throughput)
- Preconditioning of massecurite and adjustment of viscosity with integrated reheater
- Efficient run-off separation
- Designed for integrated remelt
- Adapted speed for low color sugar and excellent crystal granulometry

Optimized ergonomics

Designed for operators safety and ease-of-use:

- Highest safety standards
- Massecurite inlet view port
- Easy access for maintenance: front platform, inspection sight glasses, access doors...
- Massecurite inlet view port
- Compact and clean design as per food industry standards

- Small footprint and simple installation
- Food grade quality and EU certification
- Easy maintenance and cleaning
- Early ROI thanks to energy savings

Up to
900 tpd | processed massecurite
(for high grade product)

More than
25 %

Capacity compared to similar size continuous centrifugals
(on site performance test)

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Industry can do it