



Press Release - November 24<sup>th</sup>, 2023

## Fives launches its new continuous centrifugal for the sugar industry, the **Cail & Fletcher e-Crystal™**

On October 17<sup>th</sup> 2023, Fives Group subsidiary Fives FCB dedicated to the sugar, cement and minerals markets, launched on the market its new continuous centrifugal, the **Cail & Fletcher e-Crystal™**. Through several live webinars, their manufacturers and partners have discovered the features and innovations of this flagship equipment for the sugar process. The **Cail & Fletcher e-Crystal™** takes its position as the most technological advanced centrifugal available on the market.

### **A strong response to market expectations: maximum autonomy, capacity, flexibility and quality**

Since the early 2000s, the sugar industry has focused its investments on solutions guaranteeing the highest levels of productivity to meet the growth in global consumption and offering upgradable technologies that are adapted to societal and environmental issues:

- An **optimized energy consumption, essential for decarbonation;**
- An **increased flexibility** to answer changing operational constraints.

This new centrifugal in Fives range meets all these challenges, while complying with the most demanding food quality and safety standards to date.

### **The Cail & Fletcher e-Crystal™, the result of over 70 years of recognized expertise and an ambitious R&D program**

With an installed base of over 1,300 centrifugals worldwide and technologies recognized by major players in the sector, Fives has leveraged its know-how to design and develop this latest generation of continuous centrifugals. Its design offers excellent energy efficiency thanks to the rapid evacuation of runoff from the lower part of the basket. Its modular patented basket design enables different qualities of massecuites to be processed for greater flexibility. Benefiting from a strong R&D policy, the continuous centrifugal **Cail & Fletcher e-Crystal™** also integrates the latest innovations of Industry 4.0.

*« Drawing on Fives FCB's experience and successful development, the continuous centrifugal Cail & Fletcher e-Crystal™ is a modern high-performance machine, designed for the most flexible and connected factories of the future. »*

*Laurent LOUCHAERT, Product Manager, Fives FCB*

### **A high-performance technology that perfectly answers to the modern-day operational challenges**

Completely in line with the plant connectivity approach, the Cail & Fletcher e-Crystal™ features the latest developments in terms of digitalization. It offers:

- Fully automated operation, including start-up, shut-down and cleaning-in-place sequences;
- Continuous monitoring of the main mechanical components, enabling predictive maintenance;
- Real-time process data analysis for improved energy efficiency.

Press Release - November 24<sup>th</sup>, 2023

### **A first reference and a first success to boost market launch**

In operation since 2022 in the Ivory Coast at Sucrivoire Zuénoula cane factory (a subsidiary of the SIFCA Group), the first reference of the **Cail & Fletcher e-Crystal™** has provided the client with complete satisfaction. Appreciating the machine's ergonomics, as much as its operability and the ease of maintenance it offers, it was above all the performance achieved that convinced the customer right from the start of commissioning.

*« The Cail & Fletcher e-Crystal™ has been perfectly integrated into the existing factory, and the results of performance tests after several months of operation are more than compliant with our expectations. »*

*Frank MIMBOURG, Head of Manufacturing Department, Sucrivoire Zuénoula*

#### **About Fives**

From the first railway lines to the elevators in the Eiffel Tower and Industry 4.0, for more than 200 years Fives has been designing breakthrough technologies and solutions to push the boundaries. As a pioneer of decarbonization and digitalization, Fives is always one innovation ahead thanks to its ability to anticipate customer needs. Fives is able to provide both environmental and economic performance in over 25 countries, responding to the specific needs of each local market thanks to the support of an 8,500 strong workforce.

Within the Cement & Minerals | Sugar division, Fives FCB is a major player in the sugar and bioethanol industry. With over 200 years' experience and a range of equipment recognized worldwide, Fives FCB provides innovative, tailor-made solutions to meeting the performance, energy efficiency and environmental footprint reduction challenges of its customers.

More information: [www.fivesgroup.com](http://www.fivesgroup.com)

#### **About Sucrivoire**

Created from the privatization of the state-owned SODESUCRE, Sucrivoire is one of the two main sugar companies in the Ivory Coast. The company, which is listed on the stock exchange, is present across the entire chain, from sugarcane production to the processing and marketing of finished products (brown sugar, plantation white sugar and white sugar). A subsidiary of the agro-industrial group SIFCA, Sucrivoire has two integrated agricultural units (Borotou-Koro and Zuénoula), with a capacity of over 110,000 tons of sugar. The company is pursuing a major industrial modernization program to boost productivity.

More information: [www.groupesifca.com](http://www.groupesifca.com)



#### **Presse Contact:**

*Cement & Minerals | Sugar Division*  
Gwennaëlle Biauxque  
+33 3 20 43 76 70  
[fivesfcb@fivesgroup.com](mailto:fivesfcb@fivesgroup.com)

*Fives Group*  
Emmanuelle Gendry  
+33 1 45 23 75 96  
[press@fivesgroup.com](mailto:press@fivesgroup.com)