

# TROPICAL FOOD MACHINERY

## has patented the new automatic banana peeler CERERE 6000

Last 2023 was a year full of great news for Tropical Food Machinery: first and foremost, the design and installation of a one-of-a-kind banana puree processing line. The innovative element that makes this project important is the use of the Cerere 6000 automatic banana peeler, a machine entirely developed by Tropical Food Machinery capable of revolutionizing the processing process of this particular fruit.

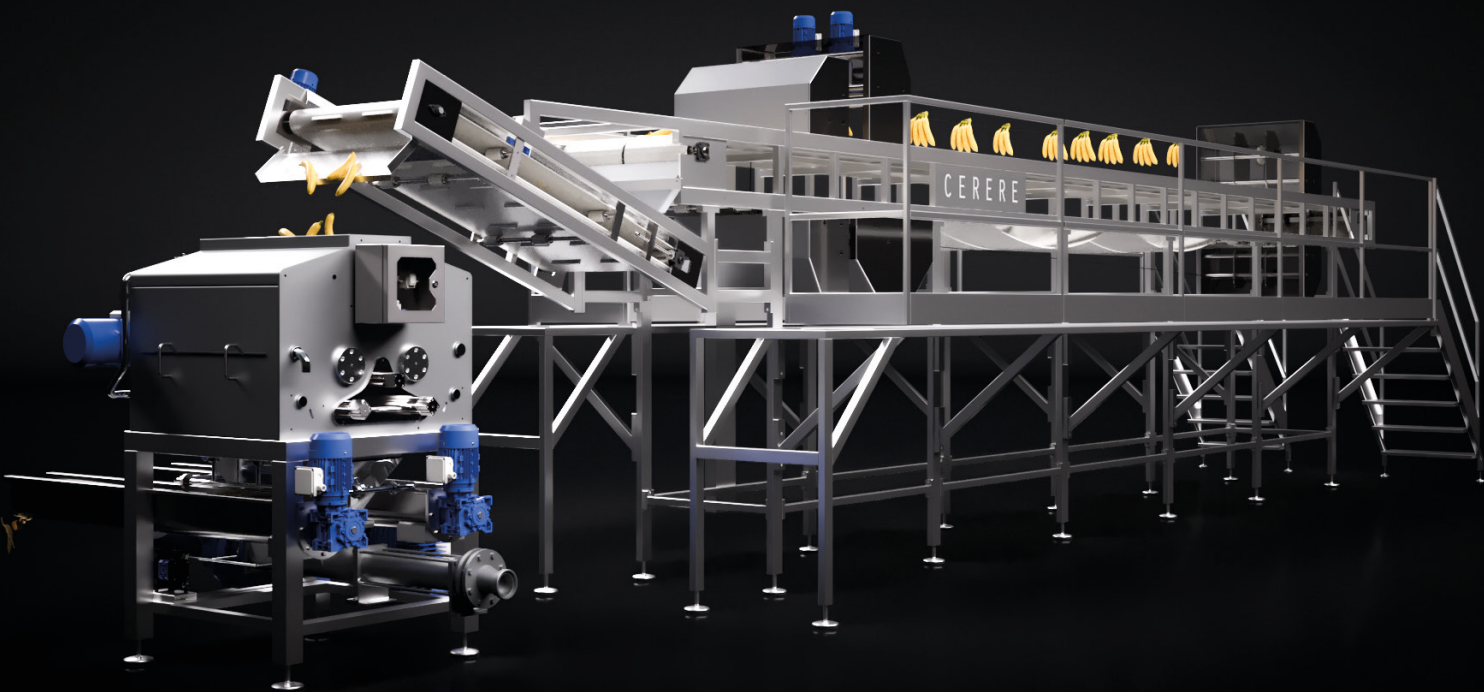
Traditionally, banana processing lines still involve manual peeling of the fruit and a high level of manpower; furthermore, the rapid oxidation times of the pulp make banana processing extremely delicate. With Cerere 6000, the separation of the peels from the pulp is completely automatic: its technology guarantees preci-

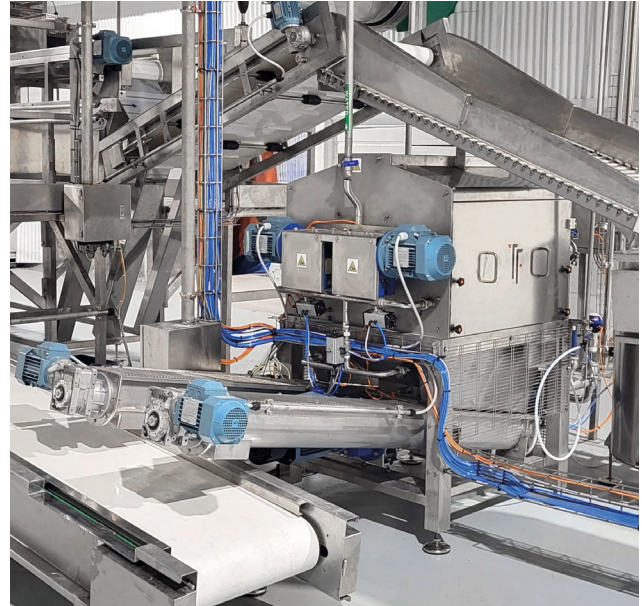
se and complete peeling of the fruits while, at the same time, respecting a high production yield. Moreover, the machine ensures the preservation of the quality of the product since the pulp is kept in an inert atmosphere thanks to the use of nitrogen in the extraction chamber. Cerere 6000 can represent a fundamental step forward in the banana processing sector and was the cornerstone for the development of this new plant.

The processing line was installed in South-East Asia and includes a double automatic banana pulp extraction line, one for yellow bananas and one for green bananas: Cerere 6000

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was installed on both. Tropical Food Machinery took care of the entire design and construction of the machines, from washing the fruits to refining the pulp, up to the sterilization and aseptic filling of the banana puree: for the filling process was installed Teti/2, the largest capacity Tropi-

cal Food Machinery brand aseptic filler, equipped with a double filling head for 220- or 1000-liters drums. Finally, the system includes the Aroma Recovery System, a special machine that extracts and concentrates natural aromas and essences which would otherwise be lost in the puree

extraction process. The processing line came into operation in mid-2023 and can process up to 6 t/h of fresh bananas.

Tropical Food Machinery is an international company with two headquarters in Italy and Brazil, leading in the global field of fruit processing machinery. The company currently has liaison offices in India, Costa Rica and the Asia-Pacific and West African regions.

Thanks to its decades know-how, the Company offers complete production plants for the industrial process of tropical and continental fruit, producing finished products such as natural juices, concentrated juices, puree, fruit in syrup or jams.

Every production plant is designed and built in-house to satisfy a wide range of multipurpose technological solutions: mobile small-size plants can be used by producers or farmers in decentralized areas, diminishing management costs and generating local economy; large-scale plants can meet high production demands, optimizing energy consumption and expanding the producers' market. 🏠

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