



What are croissants and brioches?

Croissants are flaky, crescent-shaped pastries made with laminated dough, while brioches are rich, soft breads enriched with eggs and butter.

Enjoyed as a breakfast or snack, they can be plain or filled with various ingredients like chocolate, jam, honey, etc.

Application overview

+ CROISSANTS & BRIOCHES

With SENSURE SYNAPSE, it is possible to **measure numerous features** (a wide set is included in the system), such as shape, size, and colour, using **2D technologies** (industrial cameras) and perform a full 3D product profile using **3D technology** (laser profilometer). SENSURE solutions also allow for the inspection of the bottom part of products.

Thanks to the flexibility of the solutions, it is possible to **integrate the vision systems into existing production lines and to customize rejection mechanisms** (traps, lateral air nozzles or pusher, individual/multiple retracable belts, etc.) based on the size and shape of the products and the conformation of the line.

Vision system can be installed with **products on a single** (before flow-wrapping machines) **or multiple rows**, and in **different position of the line** (before/after rolling, before/after proofing, etc.).

Using **SENSURE SYNAPSE ensures reliable, repeatable, and accurate measurements**, even at high line speed, with the added benefit of all data being saved in a SQL database. It is also possible to **automatically adjust the parameters of individual processing stages** based on the analysis of their outputs and product information.

Defects detection capabilities

Croissants



Brioches



Customized single or multiple rejection mechanisms

Choosing the right rejection mechanism (traps, lateral air nozzles, pusher, individual/multiple retractable belts, etc.) is important to ensure non-compliant products are accurately removed from the production line.

To determine the most suitable option, it is important to consider several factors, such as: type and dimensions of product, how they are presented into the vision inspection system, line width (multiple or single rows) and speed, space available, etc.

