



*A unique partner for every step of your project!*

# KORE 6.15 Series

ENZYMATIC TREATMENT | HOT-BREAK & COLD-BREAK



**HOT-BREAK**



**COLD-BREAK**

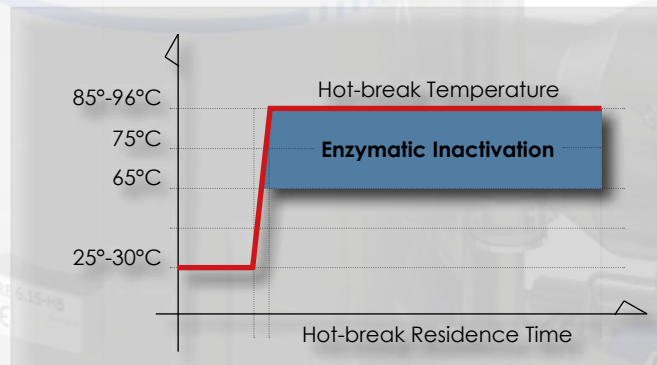


The Hot-break System developed by **ORION ENGINEERING S.R.L.** generates a thermal treatment that completely inactivates pectin enzyme activity, resulting in a higher viscosity end-product. The elevated recirculation process an instantaneous increase over the breakpoint temperature.

Shredded tomato can be transformed by a «Hot-Break» technology, in order to obtain tomato concentrate.

High temperature (**85°-96°C for about 10''**) inactivates pectic enzymes, naturally existing, avoiding the depolymerization of the pectin in galacturonic acid and decreasing in that way the product viscosity.

On the contrary, temperature in the «Cold-Break» technology (**60°-70°C**) facilitates the enzymatic activity by making the product less sticky and more suitable for juice production, and this is the extraction and refining of the juice, removing peels and seeds as by products of the process.





## We are your partner with whom make grow your business

**ORION ENGINEERING S.R.L.** company was founded after over 30 years of partnerships with national and international market's best Food Processing players.

We specialized on the development of **«tailor-made» solutions** for agri-food prototypes and installations for small and middle production.

**ORION ENGINEERING S.R.L.** can count on a multidisciplinary team qualified on different lateral skills. The daily effort, together with a constant activity of research and development, marked the company's worldwide success.

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*Innovation, quality & Services together*

