



ORION
ENGINEERING
Food Technologies & Services

“We are firmly convinced that mankind and environment must stay at the center of an ethical and sustainable activity as key of success...”

Eng. Julio Cesar Cáceres
Co-partner & CEO Orion Engineering s.r.l.

APHROS 6.3X

COLLOIDAL PRESS AND FIRST TREATMENT



The citrus fruit pulp, as known, is a by-product of the food processing industry consisting of lemons and oranges waste subjected to the extraction of juice and essential oils. From a chemical-physical point of view, the **“pastazzo” is made up of residues of peels (60 ÷ 75%), pulp (30 ÷ 35%)** and seeds (on average 0 ÷ 9% depending on the quality of oranges and lemons undergoing transformation).

Depending on the type of citrus fruit and processing, **the production of fresh “pastazzo” varies from 49% to 69% by weight of the fruit subject to the transformation process.** Sometimes the “pastazzo” also contains process water absorbed during the production phases.

The citrus fruit pulp can be used in different ways, some of the best known concerning the **organic fertilization of the land, the use in animal husbandry and the extraction of pectin:** a thickening polysaccharide naturally present in fruit and widely used in the production of jams.

Our mission as **ORION ENGINEERING S.R.L.** company is to make the reuse of this resource usable, through our technology under development, to give the opportunity not only to large industrial processing plants but to many others. The synergy of our growers and all the players involved in this supply chain is one of the keys of success 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

