Leading Technologies in Food Processing
Bertuzzi Food Processing (Bertuzzi) was founded in 1936. The core activity of Bertuzzi has always been focused on developing innovative technologies for fruit and vegetable processing and dairy. In particular, Bertuzzi designs, manufactures, and supplies plants and machines to transform any type of fruit into juices (clear, cloudy, pulpy), concentrates, nectar, baby food, jams, ready-made drinks, and in general any fruit/vegetable base products including ketchup, tomato paste, sauces, yoghurt, basis for yoghurt, milk condensate UHT, etc.

Unique and innovative technologies and dedicated extraction machines have been developed by Bertuzzi to process tropical fruits (pineapple, mango, guava, passion fruit), pomegranate, citrus fruits (orange, lemon, grapefruit) and vegetables (tomato and carrot).

Bertuzzi has also developed extensive experience in supplying multifruit processing plants designed to maximize yield and quality of each product, so allowing their operation all over the year avoiding seasonal stopover.

Bertuzzi’s plants meet the most stringent food standard specifications and have a high degree of automation that substantially reduces operating costs.

*Bertuzzi has supplied more than 1000 plants in over 100 countries.*

In 2010, Bertuzzi has been integrated into the Mazzoni LB Group (www.mazzonilbgroup.com) moving its office and workshop to the Mazzoni headquarters in Busto Arsizio so to take advantage of the larger organization and manufacturing facilities to increase synergies, optimize costs and offer clients excellent technical assistance as well as project financing whenever required.

Mazzoni LB, founded in 1946, is the world leading company in the design and supply of complete plants and machineries for the production of soap and glycerine with a market share exceeding 60%. Mazzoni LB is also active in the Confectionery industry: mixers and extruders for chewing gum and equipment for liquorice industry.

*Mazzoni LB has supplied more than 3000 plants in over 130 countries.*

Mazzoni LB acquired in 2012 a 40% share in Axor Ocrim s.r.l. (www.axor-italia.com), the fastest growing Italian company in the design and supply of dry pasta and snacks.

The Mazzoni LB Group has together with Axor and Bertuzzi an average turnover exceeding 70 million US$ with more than 140 employees with strong R&D, engineering and manufacturing capabilities and with a sales and technical assistance network present in all the main world markets.

Mazzoni LB Group is owned by Sagittario S.p.A. (www.sagittariospa.com) an holding company founded in 2001, whose shareholders have extensive experience in managing engineering, construction and trading companies, globally, specialising in consumer goods (soap, detergent, food, vegetable oil, etc.), chemicals and oleochemicals.
Tropical fruits
Typical applications are the production of purees, juices and concentrates from pineapple, mango, guava, passion fruit, banana, etc. Technologies for “trendy juices” like acerola, dragon fruit, litchi, noni, avocado are available.

Pomegranate
A very unique Bertuzzi technology is the processing of pomegranate to produce clear concentrated juice. Dedicated equipment and sophisticated technologies for the industrial processing of pomegranate have been supplied all over the world.

Citrus fruits
Citrus processing plants and machines to produce:
- Freshly squeezed high quality juice (pasturized and just chilled)
- Not From Concentrate (NFC) juices
- Concentrated Juices
The Bertuzzi head office and workshop are located in the modern and functional Mazzoni premises of Busto Arsizio (Italy), an ideal location very close to Milan/Maipensa International Airport and main highways. The total area is 11,450 sq/m of which 6,000 sq/m are covered.
Stone fruits
Complete plants for the processing of apricots, peaches, plums, cherries for the production of NFC puree/juices as well as concentrates.

Carrots and other vegetables
Plants and equipment for carrots, pumpkin, beets and similar vegetables for the production of high quality NFC and concentrated juice and puree.

Other fruits
Typical applications are the production of clear juice of apples, pears, kiwi etc.

Tomato
Complete plants to process tomatoes: final products can be natural and/or concentrated puree, juice and paste.
Vegetable sauces

Proprietary know how and technology has been developed for the production of ketchup, vegetable sauces, mayonnaise etc. with or without particles and preservatives, low or high fat content, cold or hot processing and filling, continuous or batch production.

Retail juices

The juice concentrates, purees, and single strength juices can be reconstituted, combined, mixed to produce:

- Nectars
- Chilled juices
- Smoothies
- Ready made drinks

Coconut milk and coconut water

Complete plants for water and cream extraction and treatment, evaporation and aseptic filling.
Baby food
Homogenized baby food mainly based on fruits and vegetables according to the most stringent international quality standards.

Dates
Complete plants and equipment for the production of concentrated date syrup (clarified or not)

Multifruit plants
Bertuzzi developed a large experience in supplying multifruit processing plants designed to maximize yield and quality of each product, so allowing their operation for a larger part of the year.
Dairy
Complete plants for milk powder recombination and yoghurt production:
- blending, deaeration
- homogenization
- UHT by means of direct steam injection or conventional
- fermentation

Fruit Bases for Yoghurt
Plants and equipment for the production of:
- Fruit preparations for yoghurt
- Bakery fillings

Jam and Marmelade
Plants and equipment for the production of high quality jams and marmelades.
aseptic bulk filling line

Complete aseptic line for puree and juice including heat exchangers and aseptic bulk fillers.

Heat exchangers for appropriate treatment
(plates, tube in tube, scraped. Sdi...)

![Image of aseptic bulk filling line components]
Aseptic bulk filling systems

Wide range of aseptic bulk fillers from 3 to 1000 kg bag in box / drum / container to meet the most stringent requirements.
Bertuzzi has developed dedicated processing machines to maximize juices/purees yield and quality.

Stone fruit processing

Fresh citrus fruit juicing (Citroevolution)

Pomegranate extraction (Mogra)

Pineapple juice extraction (Pinetronic)
Taking advantage of a staff of over 100 engineers, specialists and skilled technicians with integrated expertise in consumer goods, Bertuzzi and Mazzoni offer a full range of services to their clients all over the world, including:

**Laboratory analysis and products & raw material testing**

The R&D dept., has labs with up-to-date analysis equipment for soap, glycerine, food and fruit processing which can carry out analysis, quality control and tests both for internal purposes and on behalf of clients also to identify custom tailored products formulation.

**Project pre-engineering and feasibility studies**

The Bertuzzi sales department is in a position to prepare pre-engineering and feasibility studies to allow the clients to better evaluate the proposed investment and/or to apply for project financing.

**Basic and detailed engineering services**

Know-how and technology; Process- and basic engineering; Detailed engineering relevant to:

- Equipment and machinery
- Piping
- Instrumentation
- Electrical distribution
Process control and automation

Sophisticated computer control programs and integrated systems that can handle not only the plant and machinery operation but also the full management of the factory production and relevant administration.

Turn-key projects

Civil and erection works of the plants can be carried out through qualified and reliable contractors with whom Bertuzzi has extensive cooperation since many years. This association offers to clients the possibility to implement their project turnkey at most competitive costs.

Plants revamping optimization, upgrading, capacity increase

Bertuzzi is in a position to assess the status of the existing plants, suggesting and carrying out the interventions based on its latest technology solutions to enhance their performances in terms of product quality, capacity increase, plant operation cost reduction (including energy saving). This will allow the clients to competitively operate on their markets which requirements are in steady evolution.
Project financing

Bertuzzi has developed a deep know-how on the identification of the most attractive financial packages available on the market, including export credit, aid grant, soft loan, buyer’s credit, etc.

Technical assistance & after sales service

Bertuzzi supplies technical assistance during the plants erection, pre-commissioning, commissioning and start-up phase. Bertuzzi furthermore offers a strong after sales service to steadily assess the plants running conditions/operations in order to propose the most recent technological development.

Spare parts supply

Bertuzzi’s spare parts dept. is in a position to supply beside spare parts also individual equipment, and machineries, both proprietary and non-proprietary. This is a recurrent business managed by a dedicated team.
Bertuzzi plants final products

- Concentrated Juices (clear, cloudy, pulpy)
- NFC and Chilled Juices
- Natural and Concentrated Fruit Puree
- Nectars and Soft Drinks
- Jams and Marmalades
- Candied Fruits
- Treated Honey
- Tomato Concentrates, Sauces
- Vegetable sauces, ketchup and mayonnaise
- Baby Foods
- Yoghurt, Yoghurt Bases
- Recombined, UHT Milk
- Diced, Sliced, Stripped Products
process plants at a glance!
Bertuzzi has a network of local offices and agents fully integrated in the Mazzoni sales organization. Bertuzzi’s sales department is coordinated within the Mazzoni structure so to take advantages of Mazzoni’s strong worldwide presence. Sales activities and relevant technical support are supported by a strong and motivated team of specialists.
Since 1936 “The Vertumno”
called Gardiner (1591)
painted by Giuseppe Arcimboldo
is Bernuzzi’s symbol.