

QTech

INGENIERIA EN PROCESOS TERMICOS

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Santiago / Concepción / Puerto Montt / Medellín

Company Information

- **Ingeniería en Procesos Térmicos QTech Ltda.**
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History

- Technical assistance company with headquarters in Chile and offices in Colombia.
- Over 15 years of experience in thermal process validations and certifications.
- Customers mainly in Latin America and third party certifications for U.S. and Europe based companies.

History

- We act as *Process authority* for the U.S. market -Food and Drug Administration (FDA)- and other similar entities (CFIA (Canada), Sernapesca (Chile), Digesa (Peru), Invima (Colombia)).
- Members of the Institute for Food Thermal Processing Specialists (IFTPS) since 2003.

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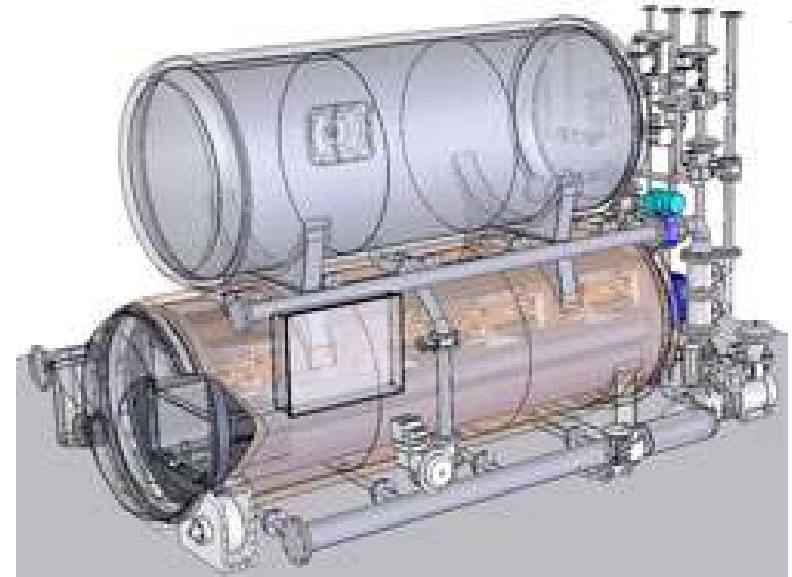
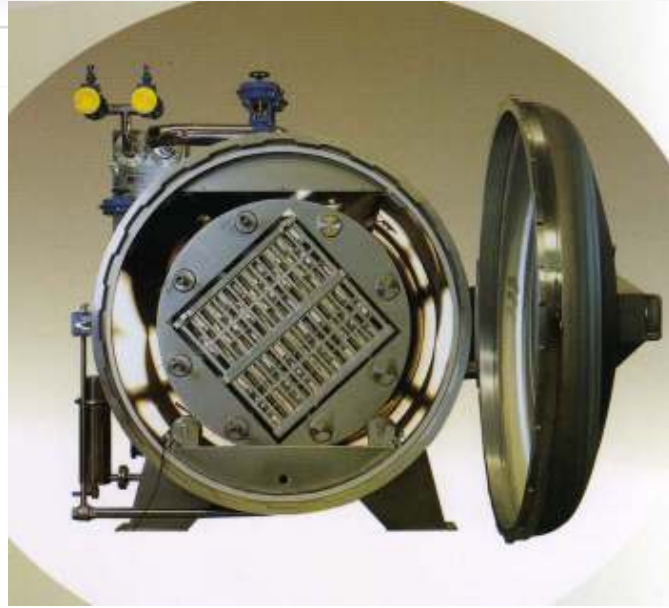
Working Areas

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Thermal processes validations

- Temperature distribution, Heat distribution and Heat penetration tests.
- Involved in projects with:
 - Different types of thermal processing equipment (retorts, tunnels, kettles)
 - Different types of containers (metal, glass, flexible, semi-rigid or bulk product)
 - Different types of raw materials (fish, fruits, vegetables, dairy, meats, prepared foods)





Validations - Continuous processes (aseptic)

- Technical audits and improvement of continuous thermal processing systems: pasteurization of juices, tomato and fruit products, dairy mixes, etc.
- Thermal process calculations.



Specialized validations

- Cooking, pasteurization, roasting, baking, hot filling, among others.



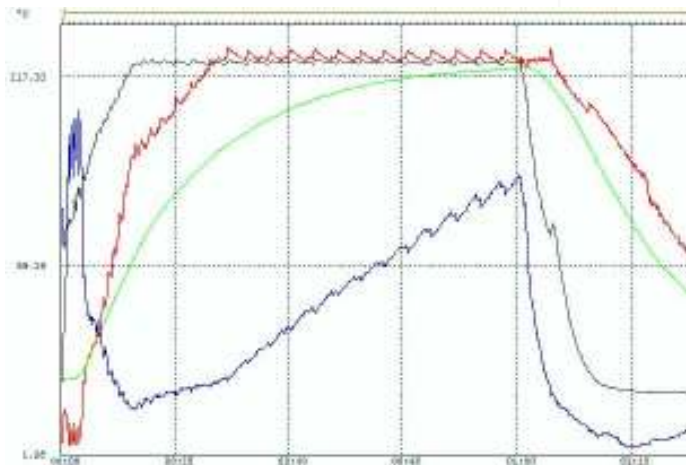
Chilled / Frozen processes

- Monitoring, study and optimization of chilling and freezing processes of foods.



Packaging Integrity

- Thermal process design (temperature & pressure) in order to optimize packaging integrity and prevent safety related defects and / or aesthetics issues (package deflexion studies).



Third party audits

Good Manufacturing Practices (GMP)

Low Acid (LACF) and Acidified Foods.

Hazard Analysis and Critical Control Points (HACCP).

Sanitary design of processing lines and equipment.

Food Security.

Regulation Compliance – U.S.

- Counterpart in front of the U.S. FDA.
- Registration of processing plants and low acid / acidified products (FCE / SID).
- Support and troubleshooting for specific problems facing governmental entities or importers.

Regulation Compliance – Other markets

- Experience on requirements demanded by other countries in Latin America, Europe and by various customers.

Training

(thermal processing)

- Thermal processing, food safety and food security areas.
- Taylor - made courses according to the client's processes, products or packages.
- Courses prepared according to U.S. regulations but including other sources of information as well (Campden BRI – UK, CFIA – Canada and specifications from different suppliers or equipment manufacturers).



Some of our clients



Domestic clients (Chile)

- Agrofoods Central Valley
- Empresas Carozzi - Agrozzi
- Aconcagua Foods
- Pesquera Orizon
- Pesquera Trans Antartic
- Camanchaca Pesca Sur
- Conservas y Congelados de Puerto Montt
- Soprole
- Nestle

Domestic clients (Colombia)

- Alpina
- Zenú (Grupo Nacional de Chocolates)
- Seatech International
- Atunes y Enlatados del Caribe
- Postobon
- Phoenix Packaging
- Prodenvasas Crown

International clients

- General Mills (Venezuela / Argentina)
- La Salteña (Argentina)
- Nutrin / JL (Argentina)
- San Juan de los Olivos (Argentina)
- Angel Camacho (Argentina)
- Grupo Arcor (Argentina)
- Nestle group (Brasil)
- Inaceres (Brasil)
- Valspar (Brasil)

International clients

- Camposol (Perú)
- Danper Trujillo (Perú)
- Sociedad Agrícola Virú (Perú)
- Del Monte Andina (Venezuela)
- Cargill (Venezuela)
- Inaexpo (Ecuador)
- Alimentos Prosalud (Costa Rica)
- Demasa (Costa Rica)

International clients

- HJ Heinz (México)
- Nestle Nutrition (México)
- Sabormex (México)
- Pescados Industrializados (México)
- Chata (México)
- Cigevesa (México)
- Century Packing (Puerto Rico)