



- Partner of world class food companies, as an ingredient supplier or co-manufacturer;
- More than 600 employees, 3 plants;
- Accounting practices in accordance with the International Financial Reporting Standards (IFRS), annually audited by Ernst Young;
- Strategically located in the great São Paulo, Brazil: a alpha world city amidst the larger biodiversity of the world;
- Freeze drying facilities, the technology that best preserves the food nutrients;
- All plants FSSC 22000 certified, the most comprehensive Food Safety accreditation, compliant to the GFSI – Global Food Safety Initiative;
- Liotécnica's management system based on the main international standards of quality management:
  - Routine Management – PGRL
  - Health & Safety – OHSAS 18001
  - Environment – ISO 14000
  - Laboratories – ISO 17025
  - Social Responsibility – AS 8000
  - Business Integrity Programme







- ❄️ **1. Food Ingredients**
- ❄️ **2. Private Label**
- ❄️ **3. Qualimax Food Service**
- ❄️ **4. Qualimax Retail**
- ❄️ **5. Vending Machine**
- ❄️ **6. Exports**



## Food Drying

- Conventional hot-air drying
- Vacuum drying
- Freeze drying



## Co-manufacturing



- ❄ Cookies & Panettones
- ❄ Chocolates & Ice Cream
- ❄ Bars, Breakfast Cereals and Granolas
- ❄ Beverages & Shakes
- ❄ Supplements & Nutraceuticals
- ❄ Soups & Seasonings
- ❄ Baby food





# SOME OF OUR CLIENTS

**AJINOMOTO**

**HERBALIFE NUTRITION**

**Kellogg's**

**BUNGE** Associated British Foods plc

**CacauShow**

**brf**

**M. Dias Branco**  
Tradição & Qualidade

**PEPSICO**

**puravida**

**Josapar**

**Mr. Pretzels**

**nissin**

**piraquê**

**4well**

**ELEVEN CHIMPS**

**Marilan**

**General Mills**

**Bauducco**

**FLEISCHMANN**

**J. Macêdo**  
O sabor de fazer bem feito

**Sakura**  
É qualidade para toda vida

**Unilever**

**nu3** INTELLIGENT NUTRITION

**ARCOR**

**NUGALI CHOCOLATES**

**Selmi**  
Desde 1887

**Monte Cudine**  
Tu secreto de buen gusto

**gourmet**

**ESSENTIAL NUTRITION**

**Mondelēz International**

**Nestlé**





**1. FREEZE DRYING**



**2. VACUUM DRYING**



**3. HOT-AIR DRYING**

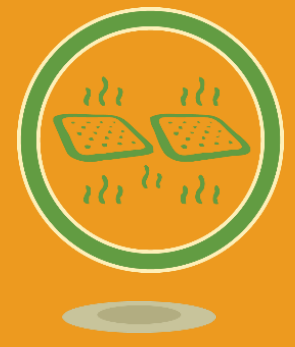


# HOT AIR DRYING

Drying technology that removes water by evaporation



RM – SLICES, GRAINS,  
FLAKES, CUBES,  
GRANULES, MILLED



RM DISPOSED OVER  
PERFORATED TRAYS THROUGH  
WHICH THE HOT AIR FLOWS  
CAUSING THE WATER  
EVAPORATION



EVAPORATION





# VACUUM DRYING

Drying technology that removes water by means of vacuum, submitting the product to temperatures inferior to 50°C, favoring the preservation of taste and aroma.

## CONTINUOUS



RM - PASTES & SYRUPS



CONTINUOUS TRAYS IN A VACUUM CHAMBER



EVAPORATION

## IN BATCHES



RM – PASTES, SYRUPS & PIECES



HEATED STATIC TRAYS



EVAPORATION



## **FREEZE DRYING**

A drying technique in which foods are minimally processed at low temperatures.



**FREEZING**



**VACUUM**



**SUBLIMATION**

**SHAPE, SENSORY CHARACTERISTICS AND NUTRIENTS ARE PRESERVED**

**Freeze-drying is the best way to preserve food**





❄️ **Fruits**

❄️ **Vegetables**

❄️ **Meats**

❄️ **Malt Extract**

❄️ **Milk products**

❄️ **Crunchy inclusions**

❄️ **Soft Inclusions**





# PORTFOLIO







- ✓ Natural sweetener, superior to conventional sugar
- ✓ High nutritional value: proteins, vitamins, minerals and maltose as the main sugar
- ✓ Totally automated and controlled extraction phase with no use of additives, resulting in a natural ingredient;
- ✓ For its natural origin and nutritional compounds, enables the creation of healthy and clean label products.

## Applications

- ✓ Milk drinks
- ✓ UHT drink
- ✓ RTD Chocolate drink
- ✓ Powder chocolate
- ✓ Breakfast Cereal
- ✓ Ice cream
- ✓ Cereal Bar
- ✓ Desserts
- ✓ Beers
- ✓ Cream Cracker
- ✓ Sweet Cookie
- ✓ Chocolate
- ✓ Granola
- ✓ Bakery Products







## Nutritional Benefits

- ✓ **Source of micronutrients**
  - ✓ **Differentiated metabolization**
  - ✓ **Antioxidant capacity**
- 
- ✓ **Dairy Beverages:** Enhances and clarifies the taste of the drink. Provides a distinct aroma.
  - ✓ **Chocolate powders:** Enhances the flavor of cocoa, clarifies and intensifies mouthfeel.
  - ✓ **Dietary Beverages:** Enhances mouthfeel



❄ Dulce de Leche

❄ Condensed milk

**powders**



## APPLICATIONS

- ❄️ Chocolate
- ❄️ Ice creams
- ❄️ Breakfast cereals
- ❄️ Cakes
- ❄️ Biscuits & cookies
- ❄️ Biscuit fillings



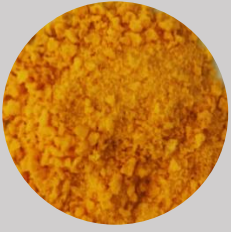
✓ TASTE IDENTICAL TO THE  
LIQUID/PASTE CONDENSED  
MILK AND DULCE DE LECHE

# PORTFOLIO – LIOCRISPY – CRUNCHY INCLUSIONS

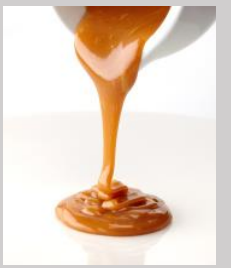
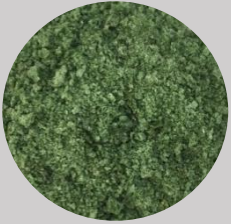
**Crunchy granules, delivering visual appeal , taste and crunchy texture**



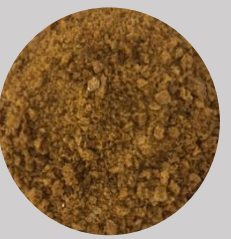
**ORANGE – 2% OF FRUIT**



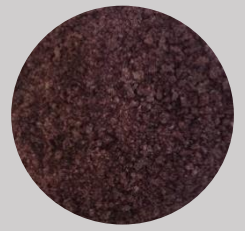
**LIME – 2% OF FRUIT**



**SALTED CARAMEL**



**AÇAÍ AND BANANA  
7% OF FRUIT**



**CINAMMON**



- ✓ No artificial aromas;
- ✓ No artificial colors;
- ✓ Contain fibers;
- ✓ Fruit flavors contain fruit;
- ✓ Gluten free;
  
- ✓ Can promote differentiation by the development of tailor made flavors;



## APPLICATIONS

- ❄️ **Chocolates**
- ❄️ **Hazelnut creams**
- ❄️ **Fat based formulas**



## IMMEDIATE CONSUMPTION

- ❄️ **Yoghurt and granolas**
- Milk shakes and ice creams**
- ❄️ **Toppings for desserts**

Soft inclusions, stable in bakery applications, deliver visual appeal, flavor and soft texture



❄️ **Orange\***

❄️ **Red Fruits\***

❄️ **Guava**

❄️ **Dulce de Leche**

\*also available in  
sugar free versions



- ✓ Contains fruit;
- ✓ Allergens free;
- ✓ Source of Fibers;
- ✓ No artificial colors and flavors;
- ✓ Gluten free;
- ✓ Can promote differentiation by the development of tailor made flavors



## APPLICATIONS

- ❄️ **Cookies and biscuits**
- ❄️ **Bakery products**
- ❄️ **Cereals and bars**
- ❄️ **Chocolate bars and dragees**
- ❄️ **Topping for desserts**
- ❄️ **Chocolate fillings**



## Freeze Dried Fruits

- ❄️ Açai
- ❄️ Acerola
- ❄️ Pineapple
- ❄️ Blackberry
- ❄️ Banana
- ❄️ Cupuacu
- ❄️ Raspberry
- ❄️ Jabuticaba
- ❄️ Mango
- ❄️ Strawberry
- ❄️ Bueberry - **NEW**
- ❄️ Pitaya - **NEW**
- ❄️ Fruit C – **NEW**
- ❄️ Coconut water – **NEW**

### FORMATS

- ❄️ Slices
- ❄️ Whole
- ❄️ Granules
- ❄️ Powder

- ✓ Freeze dry
- ✓ 100% natural
- ✓ No preservatives

**Applications:** snacks, cereals, cereal bars, chocolates, supplements  
shakes, ice-creams, cookies, bakery, yoghurts

## PORTFOLIO – LIOFRUIT - SUPERFRUITS

Blends [ For energy bowls, smoothies or drinks ]  
[ just add water or ice! ]

### Açaí Berry and Banana Mix Powder

- 36% açaí berry = 12,6g ~180 Açaí Fruits
- 23% banana = 8g

### Açaí Berry and Passion Fruit Mix Powder

- 38% açaí berry = 13,3 g ~ 190 Açaí Fruits
- 7% passion fruit = 7g

- No preservatives
- No colors
- No artificial flavors





Camu Camu is an exotic tropical fruit native to the Amazon region, growing near riverbeds and permanent wetlands.

This fruit has been making a name for itself due to its extraordinary content of vitamin C, polyphenols and other bioactive components associated with antioxidant activity.

## FRUIT C

**FRUIT C** is Liotécnica's brand for natural vitamin C

It is composed by a mix of Camu Camu and Acerola of outstanding Vitamin C content and complementary polyphenol compounds.

Fruit C can be the source of vitamin C in capsules, gumdrops, chewing gums and a varied range of food products.

*Note: Along with the sale of these products, will follow technical reports issued by laboratories of reputable universities.*



# Fruit based Healthy Snacks

**Banana and apple**



**Apple and mango**



**Apple and red fruits**



**Banana slices**



Natural Vitamin C



Good source of fibers



No sugar added



Gluten free



## DH & FD Vegetables

### PORTFOLIO

#### Snacks

- ❄ Sweet Potato
- ❄ Parsnip
- ❄ Chickpea
- ❄ Pumpkin
- ❄ Beetroot

#### Powders, Granules and Grains

- ❄ Beans DH
- ❄ Manioc DH
- ❄ Parsnip DH
- ❄ Peas LF
- ❄ Chickpea LF

Applications: soups, seasonings, sauces, cup noodles, mixes for risoto, Baby food, snacks.

- ✓ Contains fibers
- ✓ 100% natural
- ✓ Convenient
- ✓ Healthy





# Vegetable based Healthy Snacks



Our delicious recipe of snacks exclusively made up of natural and healthy ingredients:

**Drops of Sweet Potato and Beetroot**



**Chickpea with olive oil**



**Drops of Barred Potato with Provolone Cheese**



**Cubes of Sweet Potato, Tomato and Basil**



Not Fried



No soy



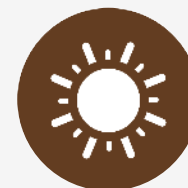
Gluten and Wheat free



Trans Fat Free



Only Natural Ingredients



No Preservatives



Individual portions "On the Go"



## Tailor made products & Co-manufacturing

Liotécnica counts on a complete infrastructure with efficient and tailor-made solutions. As your co-packer partner Liotécnica can offer since technical support in the development of new products up to high speed production facilities, all FSSC-22000 certified.

By using our technologies we can dry vegetables and fruits, keeping them whole or transforming them into pieces, granules or powders. We can mix such fruits or vegetables or add other natural and healthy ingredients, developing delicious receipts to deliver your customers a real eating experience.

Such receipts can be exclusively developed for Nutresa and when applicable, can be certified Kosher and Organic. Or you can use the receipts already available and shown on this presentation.

Ask for a visit or consult our technical and commercial teams to explore these opportunities.





## 1) Single portion sizes:

- Standard sachets
- Double Pack, allows packaging of 2 different ingredients

For contents ranging from 0.1764 oz to 1,2346 oz (from 5 to 35 grams)



## 2) Multiple portion sizes:

- Pouches: pillow bag, flat bottom, doy-pack

For contents ranging from 1,7637 to 17,637 oz (from 50 to 500 grams)

- Plastic Pots

For contents ranging from 3,5274 to 11,2877 oz (from 100 to 320 grams)

The investment in other packaging technologies can be considered, depending on the size of the Project.





# SOME OF OUR CLIENTS – PRIVATE LABEL




Associated  
British Foods  
plc





**Zuleica Meess V. da Costa**  
International Sales Manager

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