



Photonics in Sustainable Food Industry



EPIC Meeting on Photonics for AgriFood Industry- Enlightening the future at DigiFoods

OUR VISION:

**Improve people's daily
lives through food**

OUR MISION:

**Create solutions for
people to eat:**

TASTY

EASY

SUSTAINABLY



FEEDING CHALLENGES

80.000
m²

+1.700
People

5
Production
plants

3
Testing
plants

1963
First
Startup

40
Production
lines

+130
Clients

160
Products

450 M€
Turnover
2023

HOW MANY PEOPLE DO WE FEED DAILY?

Wraps
40%

+ 2.000.000 people

TRUST IN US

Minced Meat
40%

Roasted
80%



Sausages
51%

Meatballs
82%

Ready to Eat
30%

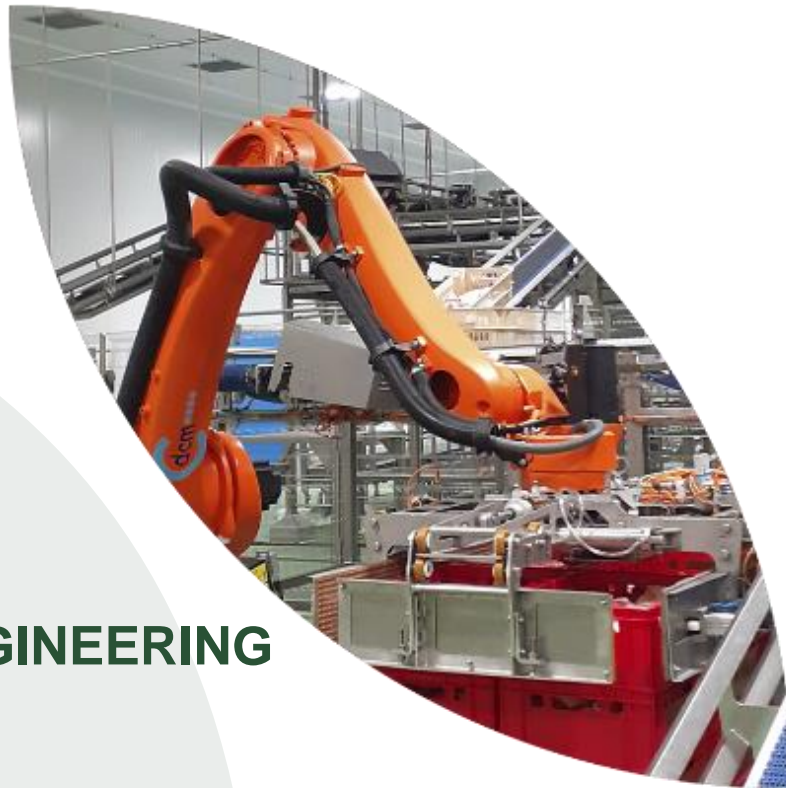
Au Gratin
70%



Specialist in complete
custom engineering
solutions

MECHANICAL ENGINEERING

AUTOMATION
ROBOTICS
VISION SYSTEMS



45% Participation



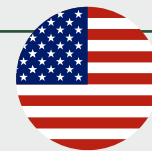
+100 People



3 Floors **3.100m²**



25 M€ Turnover/ Year
2024



Headquarters in Spain / EEUU



Startups | Companies | Community



+200
PARTNERS

+5.000
ATTENDEES FTALKS

+100
SQUAD MEMBERS



17 People



+400 Startups advised



5 Editions of Ftalks Food Summit

2 Editions of Ftalks Food Summit Latam



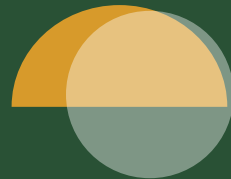
International colabs



Meat industry and current debate



Health concerns



**Environmental
issues**



**Animal welfare
assurance**

Changing and unpredictable consumption patterns

The integration of photonics in the production processes is pivotal for safety, quality and efficiency

Bridging the Divide: Focusing on the integration of research with industrial practice.



Mutual understanding of the advantages of implementing the technology in the manufacturing process



Co-creation of a working plan defining key drivers for a sustainable decision-making



Customized engineering solutions and technological devices



Our experience in integrating Photonics...



ACADEMICS



FACILITATOR



INDUSTRY

1

100% of the meat raw material is sorted based on its composition

2

Food waste due to potential physical contamination reduced by 91%

3

Time savings in rapid pathogen detection from 24 hours to 20 minutes

Sustainability in

Food Industry

- **Customized technology application solutions** that address the core requirements of our food division.
- **Simplify decision-making** on feasibility studies and industrial testing.
- **Building reliable collaborations** facilitated through an engineering branch.

Sustainability in

- **Customized technology application solutions** that address the core requirements of our food division
- **Simplify decision-making** on feasibility studies and industrial testing.
- **Building strong collaborations** facilitated through an engineering branch.

Food Industry

We offer:

- **Competitive and Leadership Productive Environment**
- **Possible Strategic Alliances**

Let's forge a path toward a more sustainable future



**“Everything that is worthy, It’s not
easy and it’s not close.”**



Francisco Martínez
Founder



- Sciences Degree
- Master's degree in Food Quality and Safety
- In process of PhD in Food Science, Technology and Management
- 20 years in the company



mcardona@familia-martinez.es

 **FAMILIA**
Martínez **MARIA CARDONA**

**Quality and Non Quality
Corporate Director**

**Visit our
website!**

