

A technician wearing a white cleanroom suit, gloves, and a hood is working on electronic components. They are holding a tablet in their left hand and a component in their right hand. The background shows a cleanroom environment with various equipment and cables. A large yellow diagonal stripe runs across the image.

**tastitalia**<sup>®</sup>  
HMI • SOLUTIONS

**HMI AND EMBEDDED**

*Turning your ideas into real products*



# FUTURE AS A MISSION

***Imagination and innovation:  
we bring great ideas to life***

**Always driving the innovation of the HMI** , we're committed to transforming future visions into tangible technological solutions, from the idea and design to the finished product. Continuous investments in human resources and technological developments are the true founding elements of our company and our history.



# CUSTOMIZATION IS WHAT WE CALL EVOLUTION

## ***Focus on customization***

### **MECHANICAL, ELECTRONIC AND GRAPHIC CO-DESIGN OF INTERFACES**

We stand out on the market for **our ability to craft complex, fully assembled, tested and ready to use products** as a result of the perfect fusion between competencies and technologies. Combining tailor made and innovative hardware and software, we can create **trend-setting products in order to meet specific needs from every application.**



# ***THE INDUSTRIES WE SERVE***



**HO.RE.CA**

**AEROSPACE**

**DEFENCE**

**MARINE**







**MEDICAL**

**HOUSEHOLD  
APPLIANCES**

**INDUSTRIAL**

**AUTOMOTIVE**

# TECHNOLOGIES

*In a constantly evolving market: everyday we look to the future*



## OPTICAL BONDING

The LCD modul and the touch surface become one



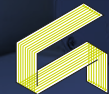
## IMD

In Mold Decoration molding technology



## HAPTIC

Pioneers of the tactile technology



## NANO SILVER

Screen printing of flexible circuits



## LAMINATION

Perfect fusion to enhance properties and performance



## SCREEN PRINTING

The art of individualism and the value of the customization



## PLASTIC MOLDING

Versatility, precision and efficiency evolving the product



## METAL WORKING

CNC machining, die casting and finishes



## EMBOSSING

Shaping the innovation with heat and precision



## TESTING

A constant commitment to electrical, mechanical and functional



## TUNING

Precision to ensure maximum operation



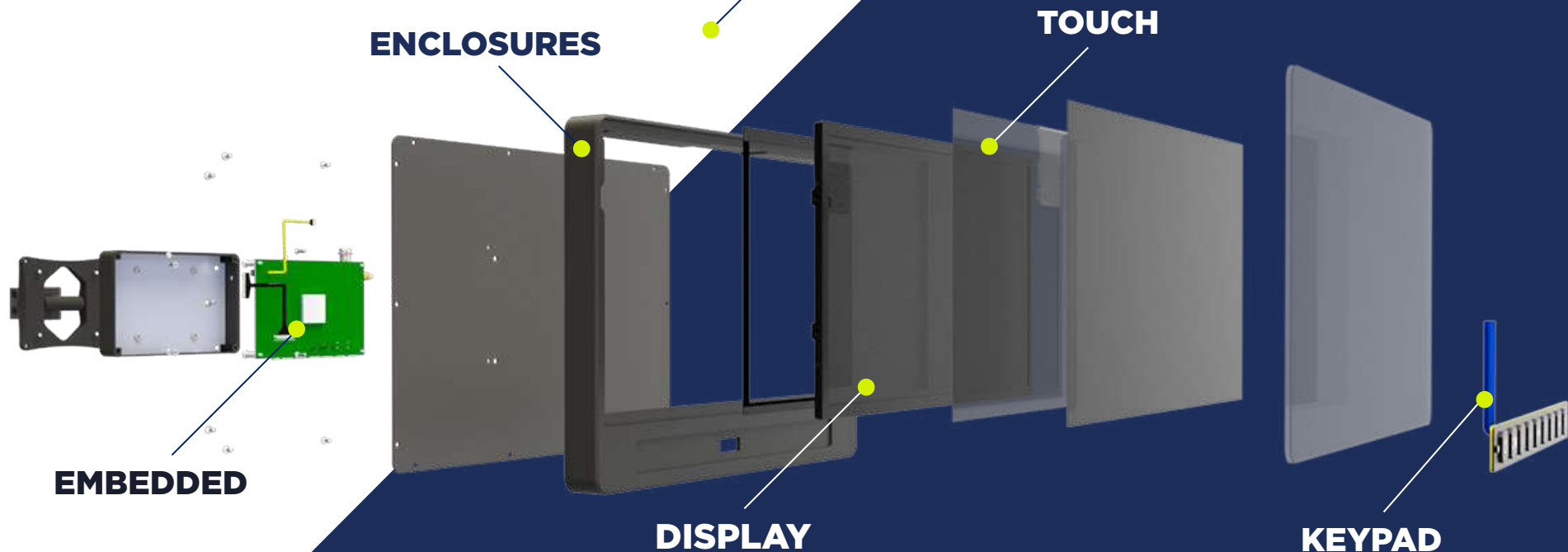
# IN-HOUSE CLEAN ROOM

# OPTICAL BONDING IN CLEAN ROOM

*The glass cover lens, the touch sensor  
and the display LCD modul become one*

ISO 7 (10.000), ISO 6 (1.000) and ISO 5 (100) are reached in working areas.  
Room Cleaning is achieved thanks to 7000 m3/h of air inlet through  
#14 Fan Filters Unit (HEPA 14) with efficiency of 99,99%.





# HMI SOLUTIONS

*TECHNOLOGICAL PARTNER*

*FOR UNMATCHED COMPLETE SOLUTIONS*

# MICROCONTROLLER ARCHITECTURE

***Fully customized MCU design for any purpose***







**DESIGN,  
CO-DESIGN AND  
DEVELOPMENT**



**ASSEMBLY**



**HOUSINGS AND  
ENCLOSURES**

**YOUR** SYSTEM  
INTEGRATOR PARTNER



**CONTROL  
TECHNOLOGIES**



**ELECTRONIC  
BOARD**

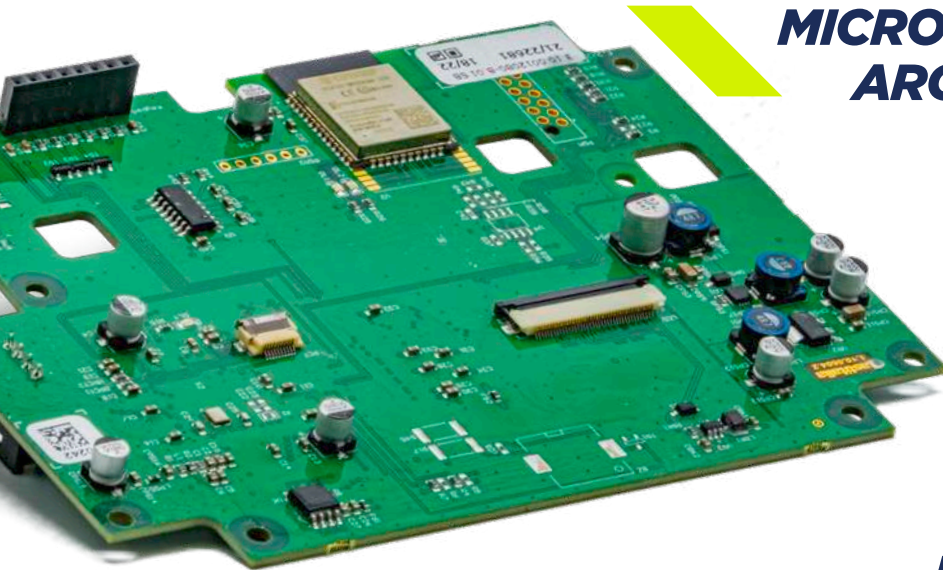


**SOFTWARE**

# EMBEDDED SOLUTIONS ALL INCLUSIVE

Visit [tastitalia.com](http://tastitalia.com)  
for products details and datasheet

**MCU and MPU architectures for all markets needs**



**MICROCONTROLLER  
ARCHITECTURE**



**MICROPROCESSOR  
ARCHITECTURE**



# BOARD DESIGN

Starting from customer requirements and specifications, we can develop microcontroller and microprocessor fully customized boards able to implement advanced visualizations, controls and connectivity features for any HMI solution.

**CUSTOM DESIGN  
THOROUGH TESTING  
CERTIFICATION SERVICE**

# SOFTWARE DEVELOPMENT

Our expertise in software customization is at the heart of Tastitalia's embedded solutions.

**LINUX OR ANDROID BSP COMPLETE SUPPORT  
MICROCONTROLLER ALL-ROUND FIRMWARE EXPERTISE  
INTUITIVE USER INTERFACES DEVELOPMENT**



# TOUCH AND DISPLAYS

***Precise, immediate and intuitive interaction***

## ***PCAP TOUCH SCREEN***

**All the answers at your finger tips**

Multi-touch capabilities, durability, and easy cleaning are key features that allow our **PCAP solutions to meet all the modern requirements** for even the most demanding applications.

## ***RESISTIVE TOUCH SCREEN***

**Reliable and stable solution in all conditions**

Tastitalia resistive touch screen technology **is the preferred input system** for applications such as industrial monitors because **it provides greater simplicity and cost-effectiveness of implementation** and management.

## ***DISPLAY***

**Visualization technology for every market needs**

Let us guide you through the complex world of displays. All Tastitalia experience and competence in displays technologies will **create a perfect match between visualization and control technology**.

**TFT Displays**

**OLED Displays**

**Graphic Display**



OPTICAL  
BONDING



HAPTIC



SCREEN  
PRINTING



LAMINATION



TESTING



TUNING



OPTICAL  
BONDING

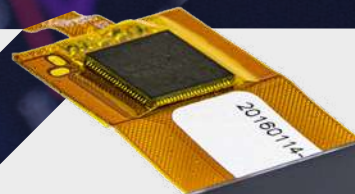


HAPTIC



TESTING







# KEYPADS

***Reliable, simple and durable controls***

## MEMBRANE KEYPADS

Design and functionality  
combined in one mm thickness

With **over 35 years of experience** in designing and **manufacturing high quality membrane keypads**, all fully customized, we are aware that we have already crossed many boundaries but every new project is always a new challenge for us to be passionate about and win.

## SILICON RUBBER KEYPADS

Durability, robustness and ductility  
at the highest levels

A good alternative to membrane keypads, the silicone rubber keypads **offer a large number of advantages and possibilities**. Based on vulcanised rubber, this technology is perfectly suited to **create distinctive 3D shapes even complex ones and with inimitable design** and offering at the same time the opportunity to have an **unparalleled tactile feedback** compared to other control technologies.

## CAPACITIVE KEYPADS

The modernity and the elegance  
of a technology of our times

If you want to give modernity and distinguish your device, the capacitive keypad is the ideal solution for your needs. The **use of elegant, resistant and contemporary aesthetic materials such as glass, plexiglass and polycarbonate**, together with the **advanced options and possibilities offered by electronics**, blend together in a perfect mix that allows you to meet and fulfil any aesthetic and functional need.









## **DESIGN TO ENGINEERING THROUGH MANUFACTURING AND VALIDATION**

A unique partner, able to offer, through different phases, processes and services, high value-added finished products combining functionality, innovation and technology.



# WHY CHOOSE US

***Transforming future visions into tangible technological realities***



## **CREATING YOUR FULLY TAILOR-MADE HMI SOLUTION**

An extremely wide and specialized technical baggage that allows us to offer tailor-made solutions that meet and implement the needs of customers in a precise way and adapting perfectly to all markets and applications.



# PROCESSES AND QUALITY PRODUCTS

***Guaranteed over time***

**ENGINEERS, TECHNICIANS AND PROJECT MANAGERS WITH EXPERIENCE IN THE HMI SOLUTIONS FIELD CONSTANTLY SEARCH FOR QUALITY OF THE PROCESSES AND OF THE PRODUCT THUS WE ARE ABLE TO OFFER COMPLETE SUPPORT TO OUR CUSTOMERS**

We strive every day for our commitment to find increasingly innovative and efficient solutions in order to make each project special and distinctive on the market. **Customer satisfaction is equally the most rewarding recognition and the greatest stimulus in the daily improvement process that we have been carrying out for decades.** The certifications and legal, environmental and qualitative compliances are therefore natural steps that confirm and reinforce our corporate values.



**ISO 9001**

QUALITY MANAGEMENT SYSTEM



**ISO 14001**

ENVIRONMENTAL MANAGEMENT SYSTEM



**ISO 9100**

QUALITY MANAGEMENT SYSTEM  
FOR AVIATION, SPACE AND DEFENSE

# SOCIALLY RESPONSIBLE INVESTING

AT TASTITALIA, **SUSTAINABILITY** ISN'T JUST A BUZZWORD.  
**IT'S PART OF OUR DNA!**

Since 2012, we've been powered by the sun: **our solar panels cover almost 50% of our energy needs!**

- ▲ In 2015, we achieved **14001 ISO certification for Environmental Management**, proving our dedication to the planet.
- ▲ From 2017, we've been under the watchful eye of our Supervisory Body (ODV), ensuring compliance with D.Lgs. 231/01.
- ▲ In 2022, we started tracking our CO2 emissions (Scope 1, 2, and 3) to better understand our impact and make greener choices.
- ▲ And as of 2023, we've installed **3 EV charging stations to support sustainable mobility.**

Continuous employee training is a company priority.

**Environmental responsibility has always been a core value in Tastitalia!**





# AI INNOVATION AND HMI

AI

***Machine learning and computer  
vision for high performance***

Tastitalia is focused on innovation, and our developers are working to implement new features and to express the full potential of AI in the HMI segment. **Powered by a powerful NPU(Neural Processing Unit), our embedded solutions** are ready to meet the challenge of artificial intelligence and bring machine learning and computer vision to our products whilst ensuring high reliability.



**6900**

EMPLOYEES

**31**

COUNTRIES

**233**

COMPANIES

**Tastitalia** is part of the **Lifco group**, a **stock market public company trading** on Nasdaq Stockholm.  
Lifco Group's **total sales are € 1.6 billion**.