

# TECNILABO

Excellence  
for your lab

## TECNILABO

TECNIPLAST GROUP



100% MADE IN ITALY

**3 brands,  
one single group**

**TECNILABO**



**LABOSYSTEM**

**TECNIPLAST GROUP**

Tecnilabo, division of Tecniplast Group, integrates three leading Italian design and manufacturing brands - BioAir, Labosystem and KW.

We provide a comprehensive offer of modular and customised solutions, a well-established service network and substantial pre-, during and after-sale experience.



# TECNILABO

the point of reference  
for laboratories



## Vision

We create innovative laboratories that empower the research and technical community to shape the future of biomedical, pharmaceutical, and chemical industries.



## Mission

Driven by innovation excellence and the timeless quality of Italian design, we engineer, manufacture and deliver integrated and custom solutions. We aim to accelerate research, enhance safety, and elevate laboratory performance worldwide.

## Tecniplast Group

Tecniplast Group was founded in 1949 in Varese: with headquarters in Italy, Tecniplast S.p.A. is today a reference point in the world of pre-clinical research, thanks to 9 locations and more than 70 partners worldwide.

Our mission has always been to contribute with our products to the advancement of research, proposing innovative and quality solutions, to build a better future with our customers.

# LABOSYSTEM

We use the latest technologies to customise our products according to the customers' needs.

We are specialised in technical furniture and fume hoods, and combine innovative technology with expert craftsmanship. Our mission is to ensure both functionality and safety by using high-quality materials and unique designs.

## WS plug

### MODULAR SYSTEMS

- Integrated modular **elements**, corner solutions, washing stations, weighing tables, safety cabinets for chemical reagents with internal lighting
- **Quality of materials**, aluminium and sheet steel, corrosion protection through polyurethane powder coating, utility panels (i-Panel) IMQ IP67
- EN 13150 e EN16121 **certified systems**

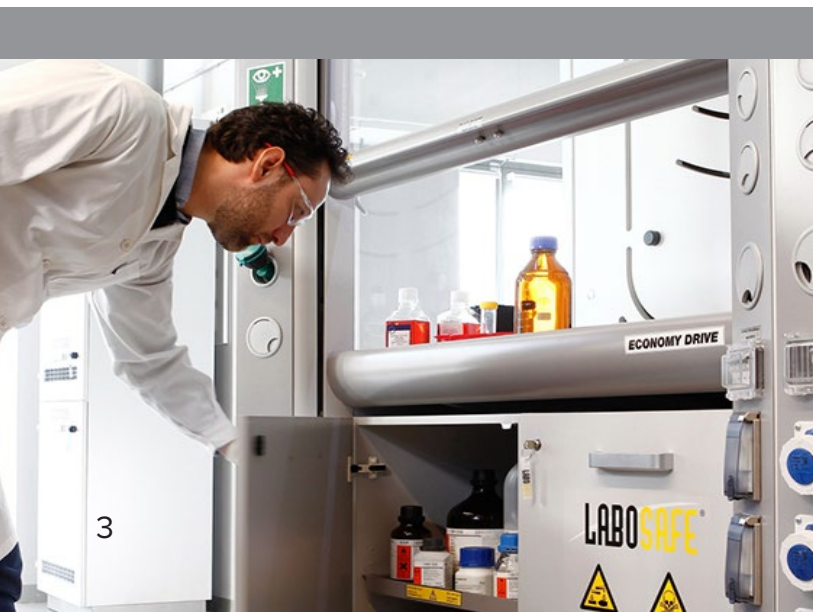


## LABO SAFE

### SAFETY CABINETS

The solution for the safe storage of toxic, corrosive, irritating, and harmful substances for users and for the environment.

- Drainage system for accidental spills
- **LED** light to better identify containers
- **Various configurations**: single or double compartment with glazed or solid doors and pull-out shelves
- **Digital controller** for operation management



# TYPHOONNEXT

## FUME HOODS

Superior safety and performance resulting from research\* conducted with Politecnico di Milano

\*Research project: 'Characterisation of the fluid-dynamic behaviour and performance of laboratory fume hoods'

### XTRA COMFORT

ERGONOMICS IN THE SERVICE OF SAFETY

### XTRA PERFORMANCE

SUPERIOR SAFETY AND PERFORMANCE

### XTRA CONNECTED

USER-FRIENDLY TOUCH SCREEN CONTROLLER

### XTRA SMART

CLEAR INFORMATION, INTUITIVE OPERATION



## SERVICES

As a manufacturer, Labosystem designs and produces most of the components of its technical furniture.

From customisation studies, to after-sales support, operator training courses and long-term operational leasing, we handle **all stages of the research process**.

- Design consultancy and studies
- Realisation
- Training and Professional Development
- Maintenance Services



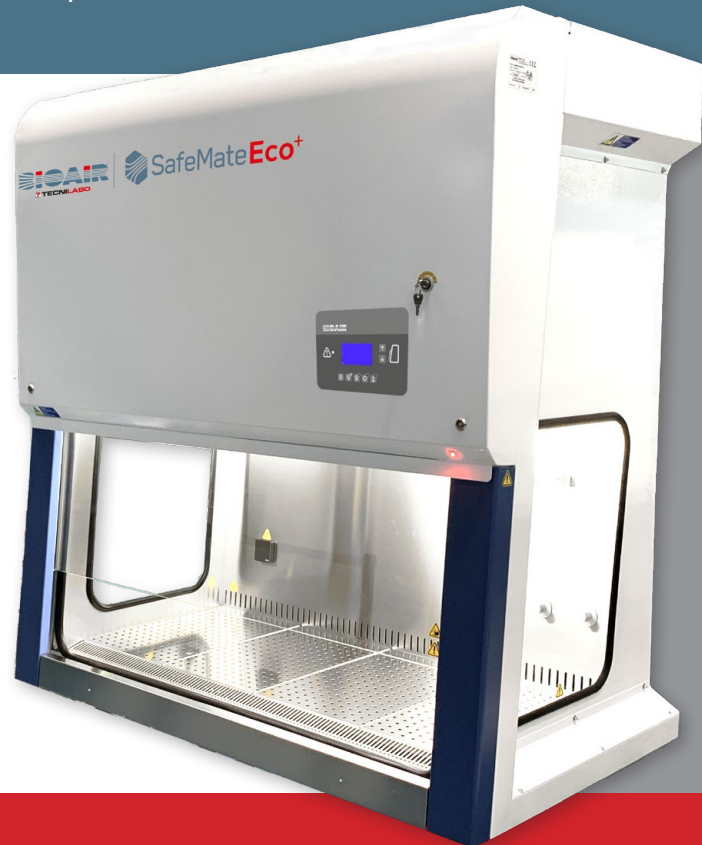
We are a leading manufacturer of contamination control equipment.

The quality of our products and our high production standards are internationally recognised in the field of research for their high degree of safety and reliability.

## MICROBIOLOGICAL SAFETY CABINETS

Designed to provide operators with **maximum comfort and safety** during use, according to GLP/GMP standards.

- **Anti-obstruction** V-shaped front grille
- Electrical front glass with sealing system
- Extremely **silent**
- LED light
- TUV Nord Certification and GS quality mark



## PRODUCT PROTECTION CABINETS

This series of laminar flow cabinets guarantees maximum protection for the product and comfort for the operator.

- HEPA filter H14 with diffusing membrane to ensure **maximum flow uniformity**
- **Extreme cleanliness:** ISO class3 (ISO14644-1)
- Stainless steel worktop
- UV light (optional) to decontaminate the work surface

## CO<sub>2</sub> INCUBATORS

Designed to **optimise cell growth and prevent contamination**. Our incubators are equipped with a seamless deep-drawn chamber, and fully removable and autoclavable shelves and tray.



- **High temperature decontamination cycle** (180°C) without the need to remove the sensor
- No internal fans or internal spare parts to handle
- CO<sub>2</sub> and temperature recovery in **less than 5 minutes**
- **Maximum uniformity** of parameters on all shelves
- Door closure with **anti-shock system**
- Maximum capacity
- Proprietary software guaranteeing the **total security of samples**

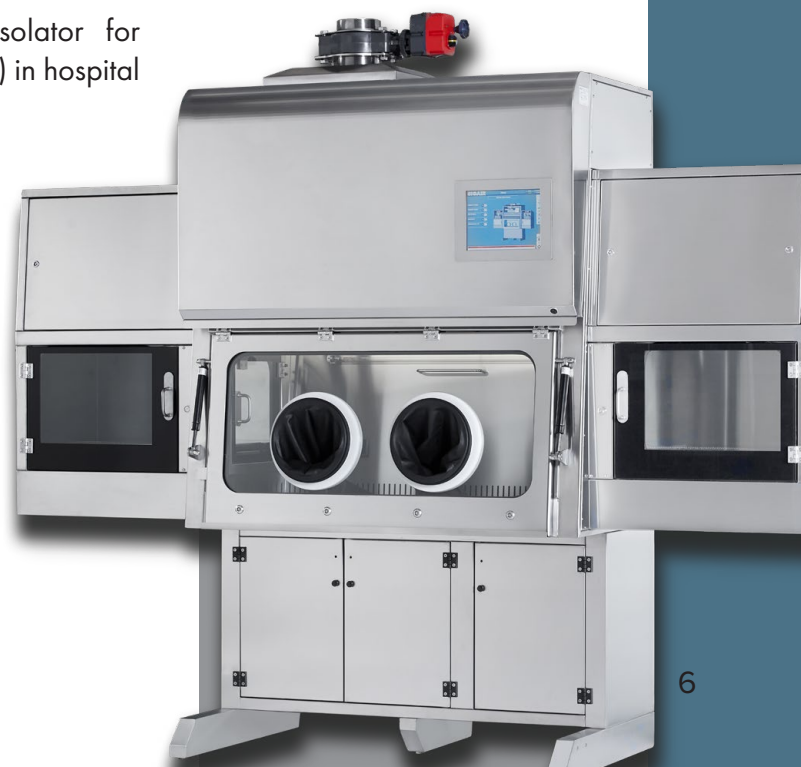
## ISOLATORS

A positive and negative pressure line that ensures a **safe environment for research**. The ISOMate family includes two types of isolator:

**Isomate Steri:** a positive pressure isolator for handling non-toxic samples (e.g. preparation of solutions for parenteral nutrition).

**Isomate Cyto:** a negative pressure isolator for handling antineoplastic products (oncology unit) in hospital pharmacies.

- 2 ventilated passboxes
- Working area with 2 or 4 gloves
- Internal work area in stainless steel (AISI316)
- Touch screen controller
- Sealing level class 4 (ISO 14644-7:2004)





We design and manufacture equipment, custom solutions and services for the cold chain and thermostating in the medical, pharmaceutical and industrial sectors internationally.

We are the first supplier for cold chain devices of the Italian National Health System.

## ULTRA-FREEZER

- Temperature down to **-90°C**
- **Silent and energy-efficient**
- **Fast pull-down and recovery times** even with frequent openings and large sample loads
- Different sizes available: vertical, horizontal and under-the-counter
- Possibility of customised systems and availability of additional accessories
- **Cascade system** using pure gases that allows an easy maintenance



## FREEZERS, REFRIGERATORS and FRIDGE-FREEZERS

- Temperature range **from -50° to +15°C**
- Vertical, horizontal, under-the-counter, with single and double door
- Internal structure in **AISI 304**
- **Excellent insulation** with polyurethane foam



## INCUBATORS and CLIMATE CHAMBERS

- Benchtop and floor models
- Temperature range from 0°C to +80°C
- AISI 304 internal structure
- Tempered glass or plexiglass inner door
- Electronic control of temperature, humidity and photoperiod (where present)

## CUSTOMISED PROJECTS

### Technically advanced 'ad hoc' solutions

- Walk-in chambers
- Pre-chambers
- Growth chambers with controlled temperature/humidity and LED lighting (photoperiod)
- **Customised Split Solutions** that incorporate freezers into the walls of classified chambers, ensuring **absence of thermal-acoustic pollution** within the chamber itself (ideal solution for cell factories, transplant laboratories and classified chambers)



# TECNILABO: YOUR PARTNER FOR INTEGRATED PROJECTS

Through technology, innovation and the experience of our team, we design and implement an integrated, turnkey **laboratory**.

As a **full-service partner**, we accompany the customer throughout the entire research process, from the analysis of requirements, to the design of a functional and efficient laboratory, to the optimal maintenance of the machines and systems involved.

## WE TRANSFORM YOUR VISION INTO A LABORATORY OF EXCELLENCE



**Analysis  
and Strategy**



**Feasibility study**



**Executive Design  
and Planning**



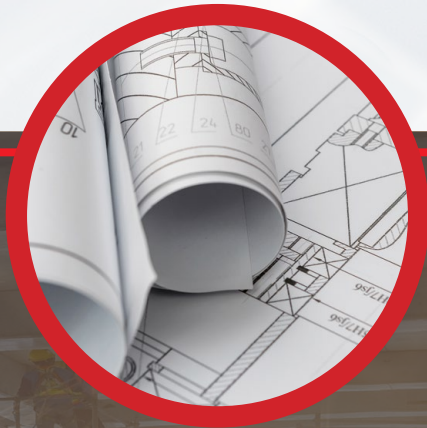
## ADVANTAGES OF AN INTEGRATED PROJECT

- Maximum **operational efficiency** thanks to our attention to detail and the proven experience of our technical teams.
- **Compliance** with safety regulations and high quality standards.
- **Collaboration** with the customer, ensuring that each solution is designed to meet their specific needs.
- **Co-ordinated vision** of the project and **lower overall management costs**.

## PROJECT ANALYSIS

We carry out an in-depth **analysis** based on the needs expressed by the customer.

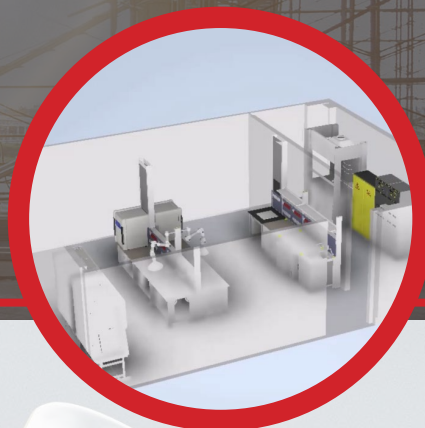
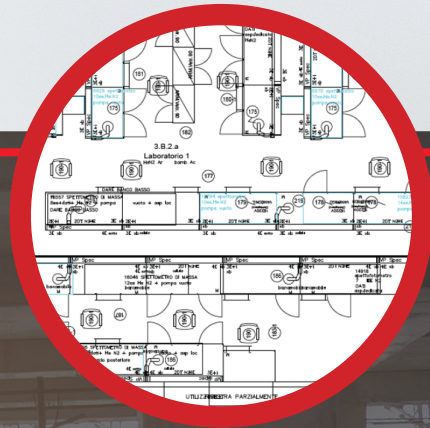
We configure a preliminary layout, refining every detail based on customer feedback, to ensure maximum **satisfaction**.



## FEASIBILITY STUDY

Once the analysis phase has been completed and the architectural surveys carried out, we **define and configure** the technical equipment and instruments.

We ensure **compliance** with current regulations, guaranteeing maximum operational **efficiency**.



## EXECUTIVE DESIGN AND PLANNING

We conclude the feasibility study phase with the drafting of an **executive project**.

We use an **advanced 2D/3D modelling software**, including all necessary plant arrangements for electrical, plumbing and air connections.

We define each aspiration point and compile a budget.



[www.tecnilabo.com](http://www.tecnilabo.com)

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TECNIPLAST GROUP

#### TECNILABO HEADQUARTERS

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