### A GLOBAL SUPPLIER IN BIOTECH



WHITE BIOTECH

Biofuel, enzymes Biopolymers



**RED BIOTECH** 

Vaccines Monoclonal Antibodies



**GREEN BIOTECH** 

Plant Cell Cultures Biofertilizers Natural Ingredients



**BLUE BIOTECH** 

Marine Microorganism Cultivation

### BIOTECH PRODUCT LINE



PRIMO -Autoclavable Bioreactors



BIOPRO series,



SIP Fermenters



SIP Bioreactors



BIOCLEAN, NEP stations



**BIOVESSEL Series** 



Turn-key unit

### **OUR VISION** AND VALUES

Since 1949, passion has been the driving force leading Pierre Guérin to become the leading supplier for stainless steel tanks and automated process lines for the biopharmaceutical, food and cosmetic industries.



SATISFACTION



**DEDICATED TEAM OF 40 TECHNICIANS** AND BUSINESS MANAGERS



INTERNATIONAL LEVEL









**ONGOING TRAINING** OF EMPLOYEES











### **BIOTECHNOLOGIES**



PIERRE GUERIN, A WORLD LEADER IN FERMENTERS AND BIOREACTORS.

# A WORLD LEADER IN 'UPSTREAM': FERMENTERS AND BIOREACTORS

Pierre Guérin offers you the cumulative knowledge acquired of numerous applications gained from decades experience, for the production of biologicals & sterile products.

An expert for sterile and biological forms in the GMP environment, and also pastry products and emulsions.

Stainless steel storage and vessels, filtration units, fermenters and bioreactors, MCD™ mixers for health care, CIP units, control systems, Pierre Guérin offers a wide-ranging solution for biopharmaceutical and personal care processes.

From Bench-top to industrial scale systems, single use units or control system retrofits, we will deliver comprehensive solutions, incorporating excellence in quality, services and reliability.

Our clients include international biopharmaceutical, industrial biotechs and cosmetic groups, crop sciences companies, R&D laboratories, universities and start-up's.

We will deliver comprehensive solutions, incorporating excellence in quality, services and reliability.





## DESIGN & MANUFACTURING, AND SERVICE

### Vessels and agitators

- > Extended design and calculation tools according to the highest standards (ASME BPE) and various international codes & regulations (CODAP, ASME, AD-MERKBLATT, SVTI, SELO, MOM, STAMP-U, etc.)
- Solid-Works and CFD tools for mechanical constraints calculations, hydraulic, mixing & CIP simulations.

### Excellence in manufacturing and inspections

> Electro-polished finish down to 0.2 µm Ra, controlled Ferrite content, full material and welding traceability.

### **Process piping**

- > Full 3D design using Inventor CAD system also allowing for comprehensive client design reviews.
- > Modular conventional skid and super-skid concepts.
- > High level piping manufacturing and inspection with full material and welding traceability.

#### Customer service

Maximize your productivity while reducing cost of operation.

- > Audit, Consultancy & Troubleshooting
- > Maintenance & Spare parts
- > Calibration & Qualification
- > Retrofits & Automation upgrade

### Control system

> With Pierre Guérin, also get benefit of a specialized automation team with expertise and experience in numerous Control Systems (Siemens Win-CC and PCS7, Rockwell Factory Suite, Wonderware In-Touch and WSP, Emerson Delta-V).

### USP and primary recovery integrator

> Pierre Guérin may supervise the installation of equipment such as centrifuges, filtration and chromatography units, cell-breakers.

### Test and qualification support

PG Quality Management System provides you with the assurance of a total quality approach validated through the audits of the most important Biopharm Companies. It is certified according to ISO 9001 but also refers to GAMP V5 for automation development methodology and ASME BPE for design, manufacturing and inspection of Biotech Equipment.

### **OUR CUSTOMERS**

WORLD LEADING
BIOTECH COMPANIES
AND INSTITUTIONS

AMPHASTAR - BASF

**BAXTER - BAYER CROPSCIENCE** 

BELDEM - BIOCODEX

BIOVAC - BIOVECTRA

BP BIOFUEL - CEVA BIOMUNE

DUPONT NEMOURS

ELEPHANT VERT

CPI - CSL BEHRING

EPITOPIX - EXCELVISION

GILEAD - GSK BIOLOGICALS

HUALAN BIO - LFB

ELY LILLY - LONZA

MEDDIMUNE - MERCK MILLIPORE

MERCK & CO - MERIAL

MEYLAN - MINHAI

**NOVARTIS - NOVO NORDISK** 

OCTAPHARMA - PIERRE FABRE

PFIZER - PORTON BIOPHARMA

PROTGEN - SANOFI

SANOFI PASTEUR

SAMSUNG BIOLOGICS

SISLEY - TAKEDA

TECON - TEVA

UNITHER - VIFOR PHARMA