OUR SERVICES FOR YOUR PROFITABILITY

E-ASI CONTROL SYSTEM: Automation for Smart Industry

E-ASI is the control system developed by Lagarde, based on Wonderware and equipped with a Rockwell controller, ensuring robustness, stability, and durability while giving a proximity technical support wherever you are. This latest innovation brings Lagarde in the 4.0 Industry through a new generation of digital technologies integration for the enterprise of the future and your manufacturing process.

LAGARDE AFTER

We are at your service to help you to increase your know-how on thermal treatment, save on production costs, train your teams, and much more !

AUTOMATION & ROBOTIZATION

Our experts will help you to integrate our retorts into your production lines.

LAGARDE AUTOCLAVES

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26780 MALATVERNE - FRANCE
Phone: +33 (0) 475 90 58 58
lagarde@lagarde-autoclaves.com

PRODUCE MORE WITH LESS ENVIRONMENTAL FOOTPRINT

www.lagarde-autoclaves.com
LAGARDE STEAM & AIR RETORTS ARE DESIGNED TO DELIVER:

**SAVINGS:** VERY LOW ENERGY CONSUMPTIONS & FASTER CYCLES

**PRODUCTIVITY:** THE BEST TOTAL COST OF OWNERSHIP

**EXCELLENCE:** HIGH QUALITY ENGINEERING & MANUFACTURING

**HOMOGENEITY:** TEMPERATURE ACCURACY & HEAT HOMOGENEITY

THE LAGARDE STEAM & AIR PROCESS VS WATER-BASED PROCESSES:

- Energies savings,
- Shorter come-up-time, giving greater productivity,
- Better homogeneity due to steam,
- Higher media contact area on packaging,
- Lower capacity boiler required,
- Reduced maintenance costs.

INNOVATIONS AND PATENTS

- 2019 • Release of the new EASI control system, performance and reliability dedicated to smart technology.
- 2018 • Opening of the platform all-retorts.com, the global e-solution for heat treatment by Lagarde.
- 2014 • The exclusive technique: Rocking System® A back and forth movement to counter the Maillard effect on milk and high-viscosity products.
- 2016 • Launch of the YPIO division, Lagarde’s innovative R&D center.
- 2012 • Lagarde Autoclaves patented a new multifunctional handling system.
- 2006 • Development and patent of the first worldwide regulation system for retort based on industrial PC named “Samantha”.
- 2005 • Patent of the soft cooling system “Radiplaques” to prevent thermal shock at the end of the heating step. Lagarde Autoclaves is the only manufacturer that holds this innovation.
- 2004 • Lagarde Autoclaves focused its production on the Lagarde Steam & Air process, dedicated to its sustainability undertaking.
- 1985 • Creation of the vertical sliding door (then called the "Lagarde door").
- 1979 • First automated 28 tunnel-type retorts installation worldwide, at the Azov industrial complex in USSR.
- 1977 • First F.D.A approval for Lagarde Autoclaves sterilization retorts.
- 1975 • First rotary retort.
- 1972 • Patent for the very first Lagarde Steam & Air retort offering energy savings and stunningly efficient thermal treatment.
- 1921 • Lagarde Autoclaves was founded by Louis Lagarde in Montélimar, France.
LAGARDE STEAM & AIR RETORTS ARE DESIGNED TO DELIVER:

Savings: Very low energy consumptions & faster cycles
Productivity: The best total cost of ownership
Excellence: High quality engineering & manufacturing
Homogeneity: Temperature accuracy & heat homogeneity

THE LAGARDE STEAM & AIR PROCESS VS WATER-BASED PROCESSES:

- Energies savings,
- Shorter come-up-time, giving greater productivity,
- Better homogeneity due to steam,
- Higher media contact area on packaging,
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OPERATING COST PER PROCESS TYPE:

INNOVATIONS AND PATENTS

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WE CERTIFY

- Lowest production cost and energy consumption on the market,
- Perfect homogeneity of temperature distribution because of the direct steam injection,
- High heat transfer thanks to the forced circulation by fan,
- Accuracy in the control of counter-pressure and temperature,
- Gradual and secure cooling: no thermal shock between sterilization and cooling steps,
- Packaging integrity is respected, even for the most fragile.

TO ALL OF YOUR PRODUCTS

- IV Solutions,
- Blood derivative in pouches or blood bags,
- Medical instruments,
- Sterile dressings,
- And more.

OUR RANGE

Lagarde Autoclaves can supply standard equipment or made-to-measure complying with your specific URS and Good Manufacturing Practices, GAMP, qualifications IQ, OQ, PQ, in order to manufacture the most trustworthy equipment and completely meet all of your requirements:

- Steam & Air,
- Saturated steam,
- Steam & Vacuum,
- Dry steam sterilization.

FOR ALL OF YOUR PACKAGING

- IV bags,
- Pouches PP / PE / PVC,
- Glass and plastic bottles,
- Glass / PP / PE ampoules and phials,
- And more.

Our latest innovations in option:
- The Radiaplaques®: patented indirect cooling technology,
- The Rocking System®: eliminates the Maillard effect for dairy and high viscosity products.

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LAGARDE AUTOCLAVES’ MACHINES AND MANUFACTURING METHODS ARE CERTIFIED BY MANY PRESTIGIOUS WORLD-CLASS LABELS: