

NOVEMBER 2025



ETI Automation

# INDUSTRIAL OVEN SOLUTIONS

Precision Thermal Processing for Demanding Applications

Gurgaon, HR - India

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# ENGINEERED FOR EFFICIENCY. BUILT TO LAST.

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With over 25 years of proven experience, ETI Automation is a trusted leader in designing, manufacturing, and integrating premier industrial equipment.

We are your strategic partner, dedicated to solving the unique challenges of modern industry. Our solutions are engineered for maximum efficiency, reliability, and performance, trusted by over 65 companies around the world.

## Key Pillars:

- ✔ **25+ Years of Expertise:** Proven industry leadership and technical knowledge.
- ✔ **Custom Engineering:** Solutions are not just sold; they are designed specifically for your unique process.
- ✔ **Quality & Reliability:** Built to last, our systems ensure you minimize downtime and maximize output.
- ✔ **Industry-Specific Expertise:** We understand the unique demands of your industry, from hygienic food-grade requirements to robust automotive assembly.

# OUR PRODUCT RANGE

Reliable, high-capacity industrial ovens for precise, uniform heat processing and heavy-duty curing.

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**> THE BATCH OVEN**

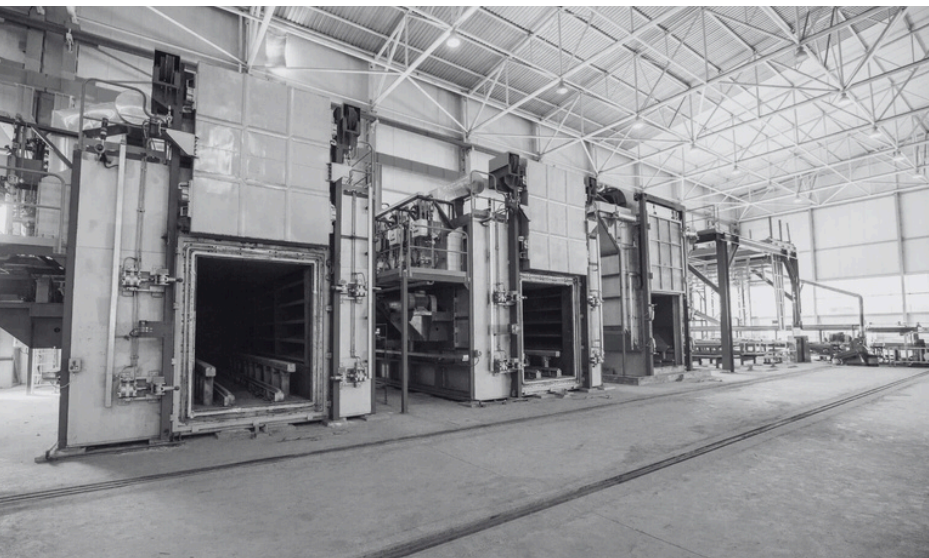
**> THE CONVEYOR OVEN**

**> THE SPIRAL CONVEYOR OVEN**

**> THE PATERNOSTER VERTICAL OVEN**

**> THE TOWER VERTICAL OVEN**

**> THE ROTATING TABLE OVEN**



## > PRESENTATION OF ETI AUTOMATION

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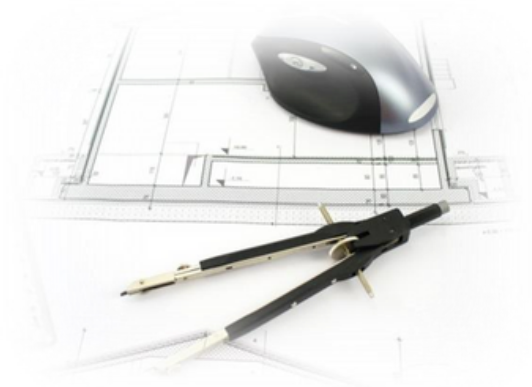
### Company know-how

Design and manufacturing of turnkey and custom industrial ovens, with conveying and handling solutions for all industrial applications

- Thermal expertise up to 650°C (1200°F)
- Mechatronic solutions to load, unload, convey and handle products

### Strengths of ETI

- Complete control of the manufacturing: mechanical and automation studies, assembling, wiring, testing and set-up in our workshop; commissioning on site
- Custom design to match your specifications
- Thorough aerodynamic study for every project to guarantee the best heat homogeneity, effective drying of water and solvents



### Industrial applications

- Heat treat: hardening, tempering, annealing, ageing, stabilization
- Heat control: preheating, temperature holding, cooling
- Drying: water and solvents exhaust  
Material forming and production: polymerization, vulcanisation, sealing, gelation
- Food industry: baking, dehydration, sterilisation, pasteurisation, roasting



## > OUR PRODUCT RANGE: THE BATCH OVEN

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### Description

- Loading through front door or motorised movable enclosure/hearth
- Very good heat homogeneity
- Advanced control of temperature ramps, heating and cooling speeds



### Technical data

- Useful volume: up to 300 m<sup>3</sup>
- Temperature: up to 650°C (1200°F), adjustable
- Control of heating and cooling speeds
- Heat source: electrical coils, gas, micro-waves, high-frequency-waves, water and oil batteries
- Cooling: natural or forced convection ovens, with room temperature air or cool air (use of cooling unit or cool water chiller)

## Optional features

- Cooling: natural or forced convection ovens, with room temperature air or cool air (use of cooling unit or cool water chiller)
- Management of solvent emissions : craquing, gathering
- Control and recording of operating data : product and air temperatures, humidity, pressure and vacuum
- Heat exchanger
- Quick connectors for vacuum and pressure plugs



## ➤ OUR PRODUCT RANGE: THE CONVEYOR OVEN

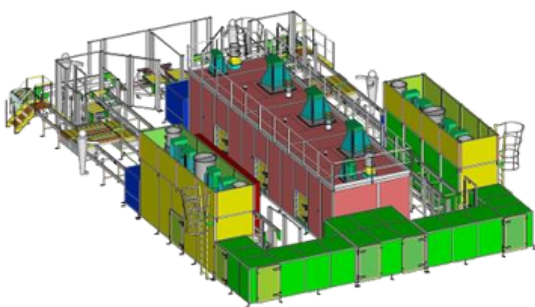
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### Description

- Oven with a crossing conveyor
- Continuous oven integrable in automated production lines



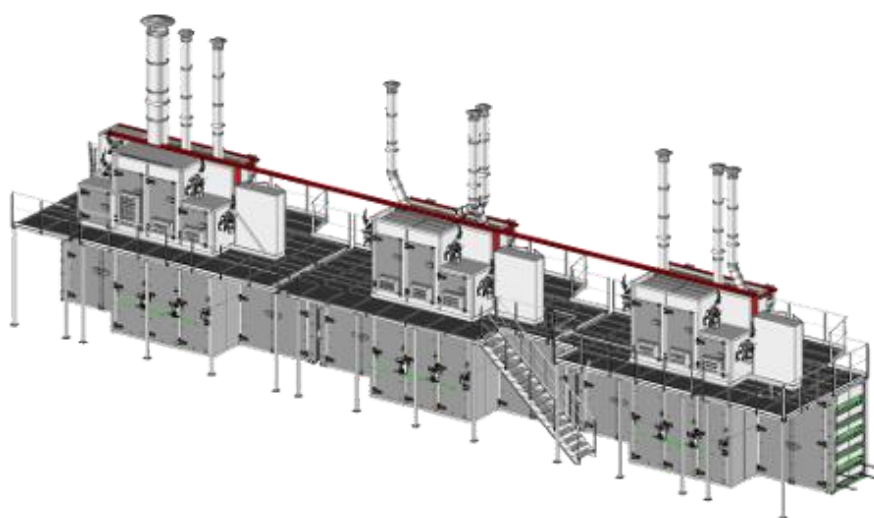
### Technical data



- Temperature: up to 600°C (1100°F), adjustable
- Heat source: electrical coils, gas, IR, microwaves, high-frequency waves, water and oil batteries
- Loading: by operator, robot, or connected conveyors; loading/unloading on opposite or same sides
- Conveyor types: band (PTFE, metallic, stainless steel, fiberglass), chain, belt, motorised rolls, or product holders
- Products transferred alone, on racks, or on pallets

## Optional features

- Division in compartments of various temperatures
- Cooling: natural or forced convection ovens
- Management of solvent emissions: cracking, gathering
- Control and recording of data: air temperature, humidity, pressure
- Heat exchanger

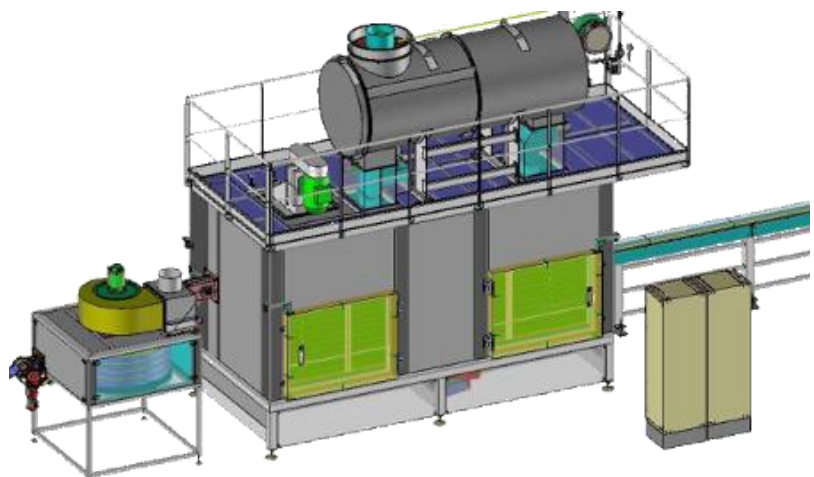


## ➤ OUR PRODUCT RANGE: THE SPIRAL CONVEYOR OVEN

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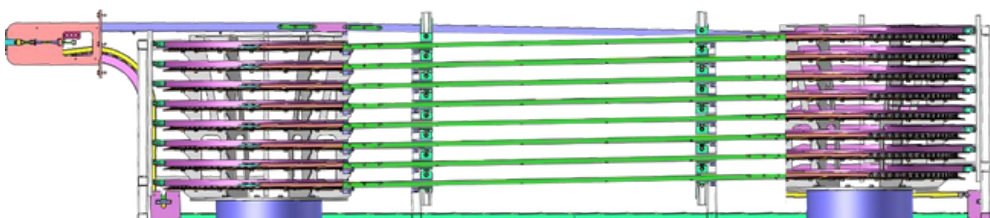
### Description

- Conveyor follows a helical pattern, similar to a horizontal conveyor on multiple floors
- Compact length
- Continuous oven integrable on automated production line



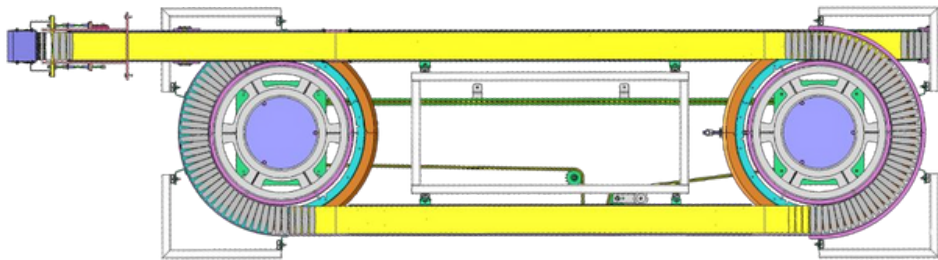
### Technical data

- Temperature: up to 300°C (600°F), adjustable
- Heat source: electrical coils, gas, water and oil batteries
- Loading: by operator, robot, or connected conveyors
- Conveyor type: chain conveyor



## Optional features

- Cooling: natural or forced convection ovens
- Management of solvent emissions: cracking, gathering
- Control and recording of operating data: air temperature, humidity, pressure
- Heat exchanger



## > OUR PRODUCT RANGE: THE PATERNOSTER VERTICAL OVEN

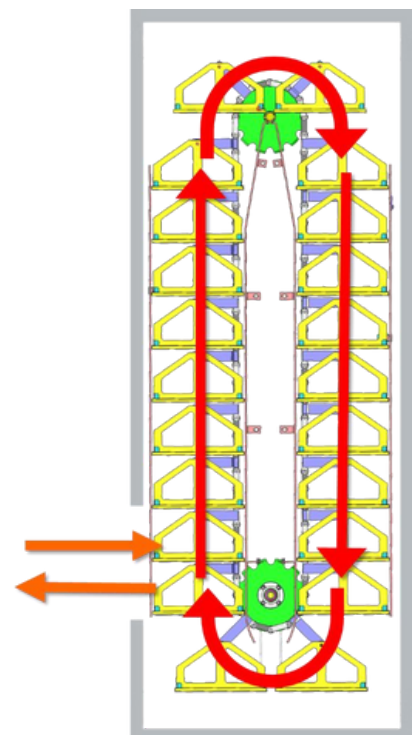
### Description

- Oven with vertical conveyor: products on swing trays with a Paternoster course
- Minimal footprint
- Continuous oven



### Technical data

- Temperature: up to 250°C (480°F), adjustable
- Heat source: electrical coils, gas, water and oil batteries
- Loading: by operator or robot
- Product holders: raw swing trays, rubber covers, specific holders



## Optional features

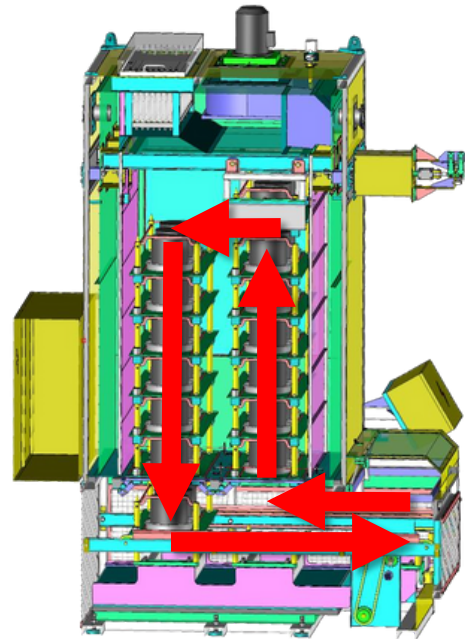
- Cooling: natural or forced convection ovens
- Management of solvent emissions: cracking, gathering
- Control and recording of air temperature
- Heat exchanger

## ➤ OUR PRODUCT RANGE: THE TOWER VERTICAL OVEN

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### Description

- Oven with vertical conveyor: products lay on plates with a vertical move, and automated transfer to the loading and the unloading positions
- Continuous oven
- Minimal footprint and height
- Design without any chain, do not need lubrication



### Technical data

- Temperature: up to 350°C (660°F), adjustable
- Heat source: electrical coils, gas, water and oil batteries
- Loading: by operator, robot ; loading and unloading on opposite sides or same side
- Product holders: raw trays, rubber covers, specific holder



## Optional features

- Division in compartments of various temperatures
- Cooling: natural or forced convection ovens, with room temperature air or cool air (use of cooling unit or cool water chiller)
- Management of solvent emissions: cracking, gathering
- Control and recording of operating data: air temperature, humidity, pressure
- Heat exchange

## ➤ OUR PRODUCT RANGE: THE ROTATING TABLE OVEN

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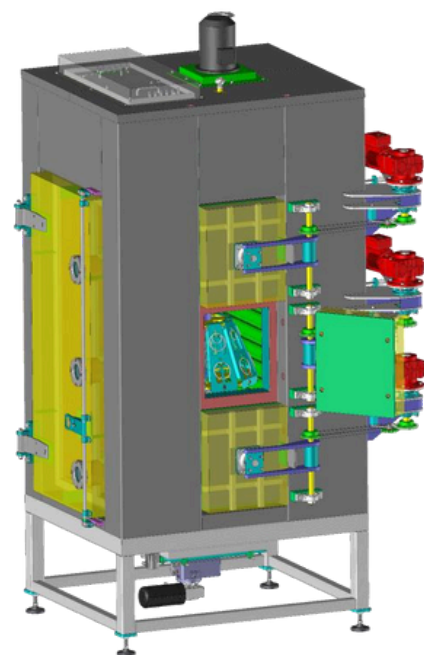
### Description

- Rotating table with product slots on one or more floors
- Continuous oven
- Single position for load/unload



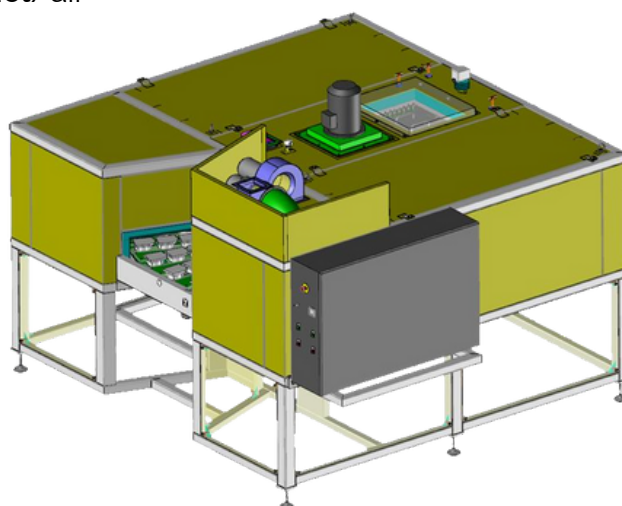
### Technical data

- Temperature: up to 250°C (480°F), adjustable
- Heat source: electrical coils, gas, water and oil batteries
- Loading: by operator, robot; single position for loading and unloading



## Optional features

- Division in compartments of various temperatures
- Cooling: natural or forced convection ovens
- Management of solvent emissions: cracking, gathering
- Control and recording of data: product/air temperatures, humidity, pressure  
Heat exchanger

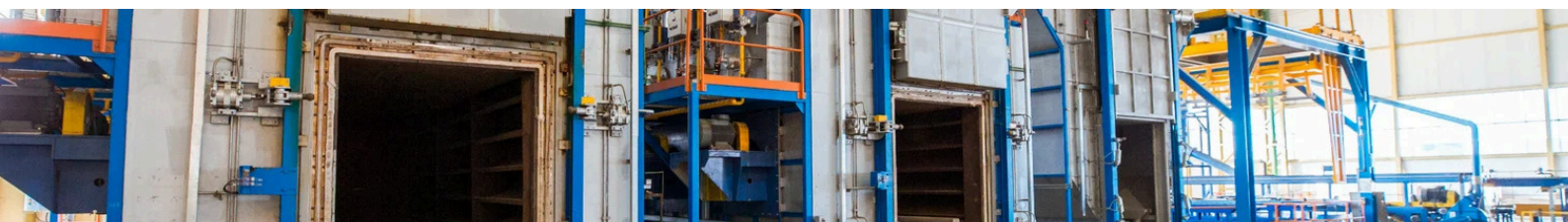


# OUR GLOBAL PARTNER

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**Asahi India Glass Ltd.**





# CONTACT US

Contact our expert team today to discuss your thermal processing needs.

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