



CURING WITHOUT AUTOCLAVE

A NEW WAY TO “BAKE” HIGH-PERFORMANCE
COMPOSITE PARTS.

COMPOSITE TOASTER

The Composite Toaster replaces heavy infrastructure with intelligent, precision-controlled heat. Designed for laboratories, development teams and agile small-series production.

KEY ADVANTAGES:

- Precision-controlled cure profiles up to 150 °C
- Integrated PID-based process control
- Modular heating rod architecture
- Compact footprint. Industrial results.

FROM HEAVY INFRASTRUCTURE TO INTELLIGENT CONTROL

Composite Manufacturing Should Not Require:

- High capital investment
- Large footprint production systems
- Complex tooling infrastructure
- Long setup and curing cycles
- High energy consumption

What This Enables

- Autoclave-level process control in a compact format
- Reduced infrastructure requirements
- Faster development and iteration cycles
- Reproducible, high-quality curing results
- Scalable lab and small-series production

Reduced CAPEX / Reduced Energy Demand

The Composite Toaster Changes the Equation.

Instead of relying on large-scale autoclave systems, the Composite Toaster delivers precision-controlled curing through integrated heating rod architecture and intelligent PID control.

How It Works

- Direct heating rods integrated into the mold setup
- Internal control unit monitors temp. and pressure sensors
- Multi-step programmable heating curves
- Integrated PID-based regulation
- Continuous process monitoring and safety control

Heat is not simply applied - it is engineered, monitored and optimized.

TECHNICAL OVERVIEW

Parameter	Specification
Max Temperature	150 °C
Heating Method	Direct heating rods
Control	Integrated PID controller
Profiles	Multi-step heating curves
Monitoring	Temperature and pressure sensor feedback
Safety	Overtemperature & system monitoring
Application	Lab & small series production

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