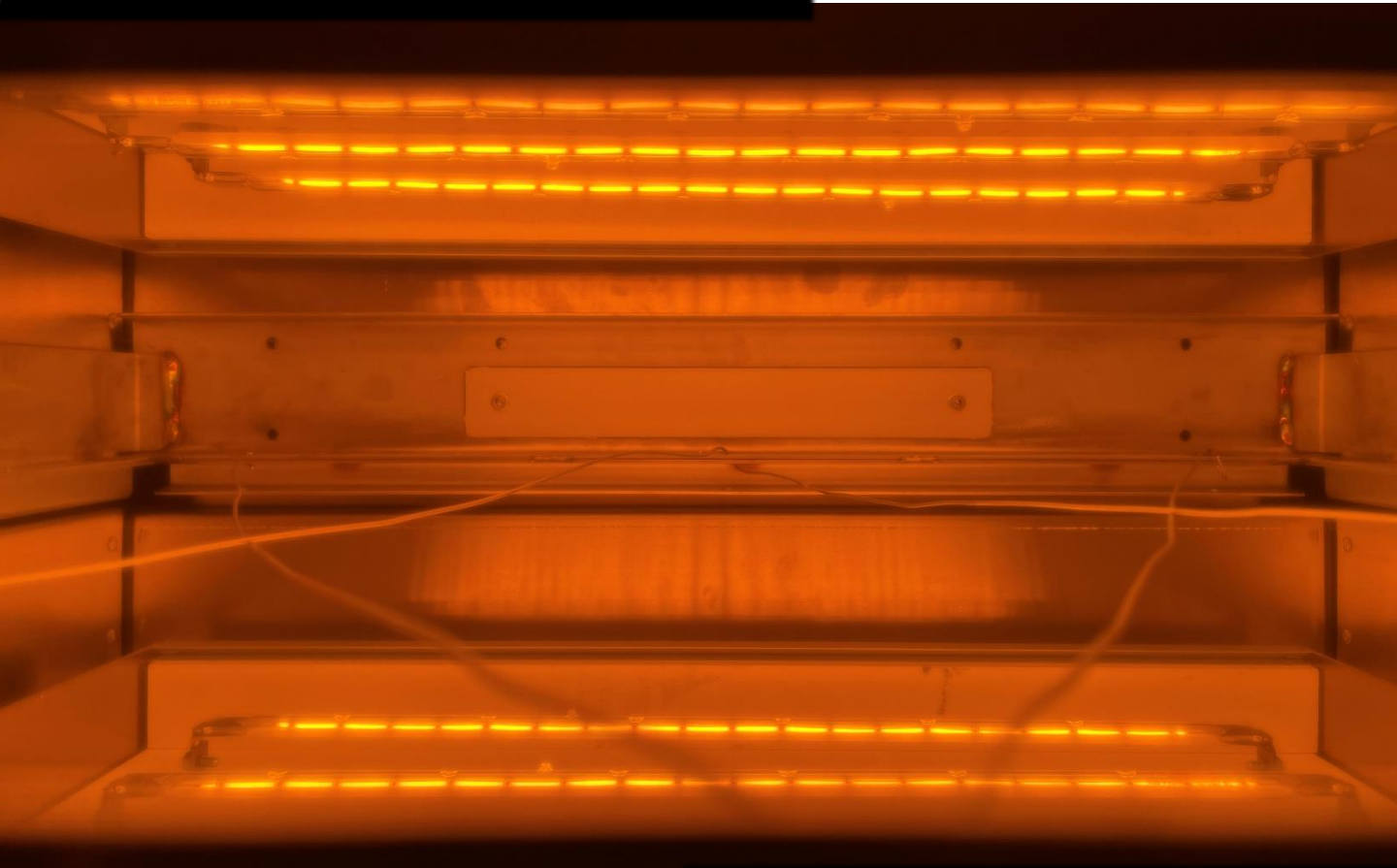


# SOPARA

Infrared heating technologies



**LABORATORY OVEN**



**SHORT WAVE INFRARED  
MEDIUM WAVE INFRARED**

# I N F R A R O U G E

INFRARED - INFRAROSSO - INFRAROT - INFRARROJO

## INFRARED OVEN FOR LABORATORY



- Designed and manufactured in France specifically for laboratories by thermal professionals.
- Fast and homogeneous instant heat oven over the entire surface without the need for preheating.
- Possibility of carrying out several dozen cycles per day due to its almost zero inertia.
- Very precise regulation (via pyrometer and automaton) of product temperature.
- Ecological oven with high energy saving.
- Maximum temperature of 500°C.
- Heating area 450x450mm
- Dimensions 900x700x H. 1900mm
- Examples of fields of application: Composites, textiles, paint, heat treatment, food processing.

- **4 possible configurations in short, medium or short and medium infrared:**
  - 1 x 6 kW on one side
  - 2 x 6 kW
  - 1 x 12 kW on one side
  - 2 x 12 kW
- Other dimensions, other power: on request.
- Examples of heating times on different types of materials

Heating temperature	100°C	150-200°C	400°C
Composite PEEK			2 à 5 min
Composite Polypropylène		1 à 2 min	
Painted steel or aluminum plate	<1 min		
Textile drying	<1 min		
PVC gelation		<1 min	



## Electrical parts

- Regulation by non-contact infrared pyrometer on the product to be tested.
- Cycle and recipe management via a Schneider PLC and a 7" color touch screen.
- Possibility of recovering the temperature recording curves via an USB key in Excel format.

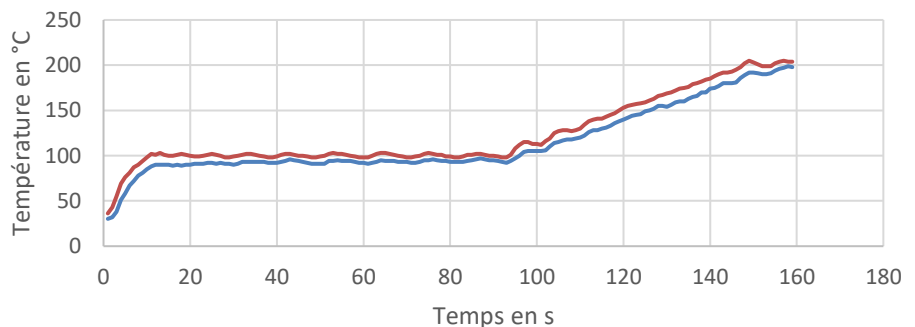
## Construction

- Cold wall oven.
- Safety on opening with automatic heating stop.
- Trolley on fixed feet or wheel.

## Option

- Bi-zone regulation with 2 pyrometers.

## Temperature recording curves recoverable from the PLC



— Température produit supérieure — Température produit inférieure

Watch our videos at [www.sopara.com](http://www.sopara.com)

Designed and manufactured in France



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