

LABOTRON HIGH TEMPERATURE

3 or 6 kW – 2450 MHz

The Labotron HTE is a high-performance microwave oven for high-temperature laboratory heating applications, up to 1600 C°.

This equipment has been designed to ensure an optimal transfer of microwave energy to the product to be treated, thus guaranteeing excellent yields and very good heating homogeneity.

Developed in partnership with research teams, the Labotron HTE allows the heating of materials with high or low microwave absorption, such as ceramics or glasses at low temperature.

The microwave generators can work in continuous wave or pulsed modes to study the potential effects of electromagnetic fields on the product.

The oven cavity accepts large volume samples, necessary for industrial extrapolation. It also allows you to reach unmatched heat kinetics.



MAIN APPLICATIONS

A LABORATORY PPLICATIONS

- Ceramics sintering
- Solid-track synthesis
- Calcination
- Pyrolysis
- Biomass treatment
- All thermal treatments of materials at temperatures between 200 and 1600 °C.

KEY BENEFITS

DESIGN

- Alternating turntable ensures a homogeneous distribution of microwaves
- Polished internal walls to reflect up to 90% of the IR radiation from the sample onto itself

TECHNOLOGY

- Integrated hybrid T impedance adapter

To get the complete data sheet :

- full specifications
- technical drawings

CONTACT US !

