

# Hottima

HIGH PRECISION HOT PLATE

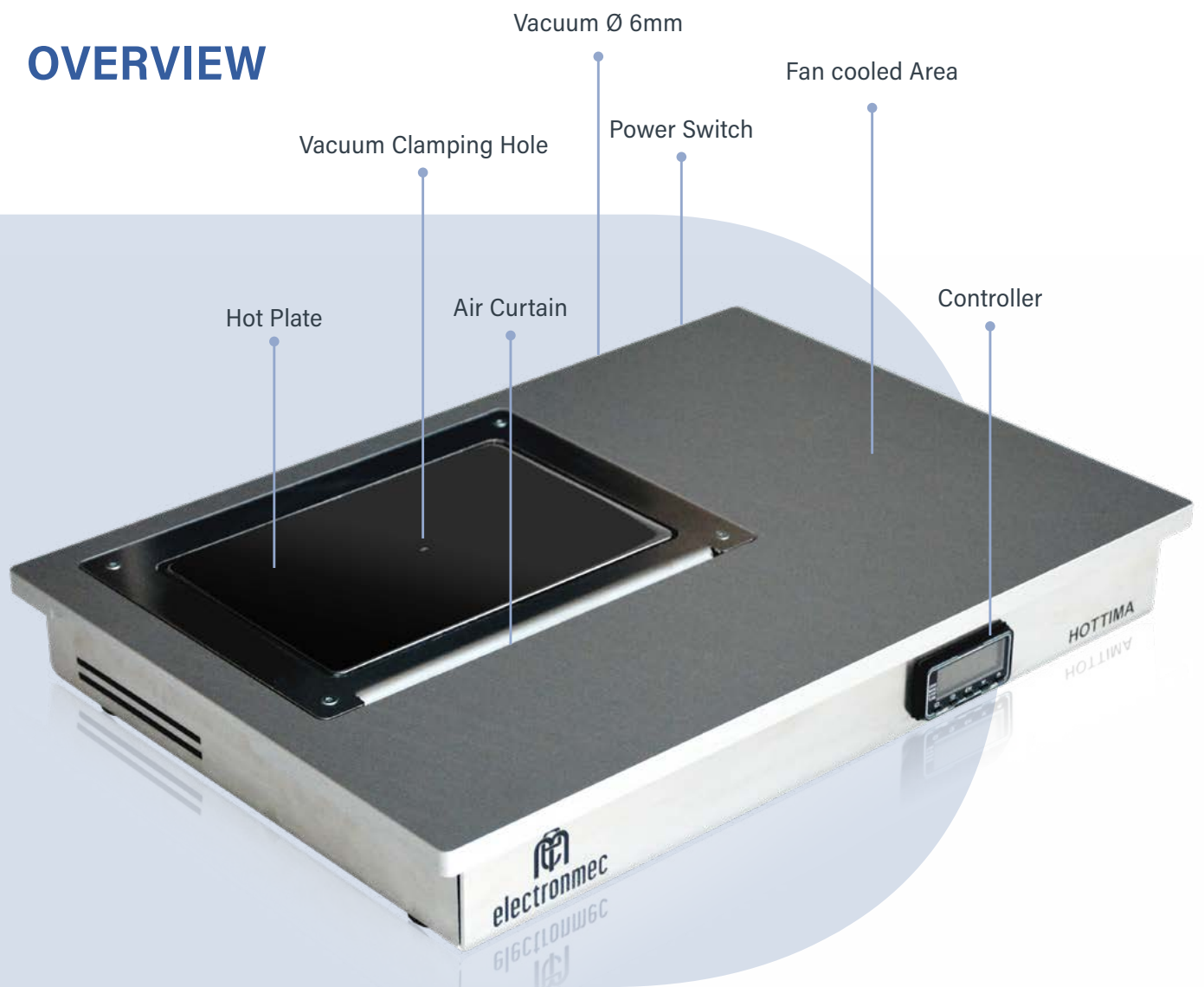


# Hottima: best temperature uniformity

Introducing the Electron Mec Hot Plate: a precision-engineered solution designed specifically for scientific and industrial applications.



## OVERVIEW



# Quality and detail

Manufactured with attention to detail and a commitment to quality, Electron Mec's hot plate offers:

- Pinpoint Temperature Control: Achieve precise temperatures necessary for your experiments with uniform temperature distribution.
- Versatility: Easily adapt to a wide range of scientific tasks and research endeavors, including varying environments.
- Customizability: Tailor the hot plate to your specific needs.
- Robust and Ergonomic Design: Built to withstand the rigors of laboratory, optionally bench mounted.
- Consistent Performance: Reliable results, consistently delivered.



# FUNCTION DESCRIPTION

 customizable



## Hot Plate

To ensure temperature uniformity and consistency across the surface, even under significant loads and volumes, the hot plate is manufactured using heavy brass with high thermal mass.

 Heating surface dimensions can be customized on request

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## Fan cooled Area

The surface surrounding the heated area is cooled by forced air. The exhausted cooled air is redirected through a curtain, minimizing the exposure of the operator to fumes.

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## Controller

The PID controller provides power to the heater, avoiding temperatures variation. Both the Set Point temperature and the actual temperature are displayed on the controller. The PID controller can be supplied integrated in the Hot Plate enclosure or as a separated unit, providing high flexibility.

 Independent control unit option for bench mounting is available and customizable on request

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## Vacuum Clamp

Vacuum Clamping allows uniform contact heat transmission. A 6 mm Ø quick vacuum connector is located in the back.

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# HOTTIMA SERIES

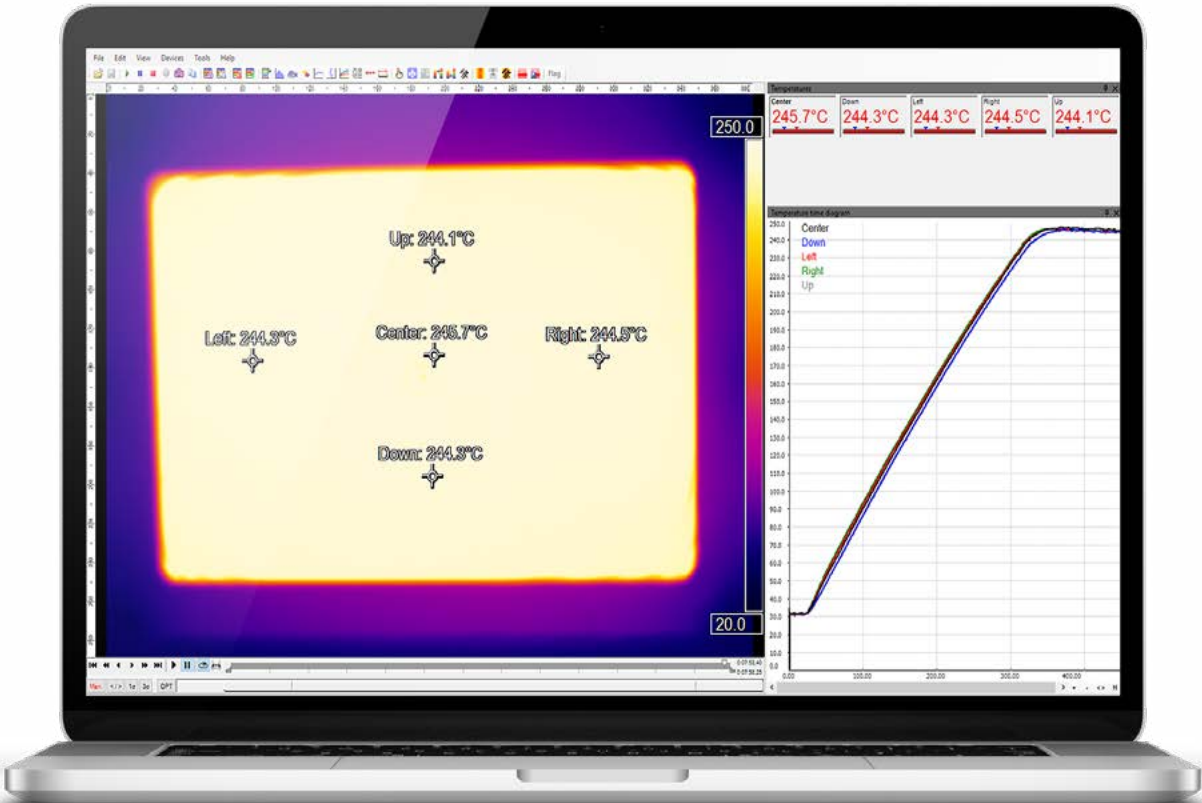
## TECHNICAL DATA

	HOTTIMA	HOTTIMAX
Heaters Power	800 W	1600 W
Hot plate dimensions	110mm x 165mm	210 mm x 210 mm
Overall dimensions	380mm x 260mm x 60mm	440 mm x 320 mm x 66,5 mm

## TEMPERATURE

During the manufacturing process, great attention is placed on the uniformity of the operating temperature and the stability of the heating rate.

Hot Plate Temperature	up to 350°C (450°C on request)
Temperature Uniformity	< ± 1,5% over 85% of heated area
Average heating rate	35°C/min





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