



## KIGO Radiant Climate panels

# Precision cooling in electron microscope labs

Electron microscopes are a serious investment for researchers. Several external factors can affect the integrity of the microscope.

There are six specific areas of concern:

- Temperature stability
- Space
- Air movement
- Vibrations
- Acoustic
- Magnetic fields

All of these affect the environment in which the electron microscope is installed.

KIGO radiant panels address these issues. They efficiently provide the necessary cooling power to cope with the internal heat load of an electron microscope laboratory. They use chilled water as the cooling source.

SWISSMADE 



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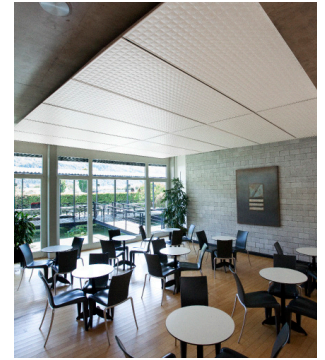
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## KIGO STANDARD - the most efficient climate ceiling

The KIGO climate panel used as a ceiling sail is the perfect and economical solution for heating and cooling your spaces. 100% Swiss made, the KIGO heat exchanger has outstanding heating and cooling properties.

- Unique design and higher specific cooling and heating capacity compared to conventional chilled ceilings. Cooling capacity 126W/m<sup>2</sup> (8.5K)
- A high reactivity: Heating and cooling is perceptible immediately
- Simple installation and various possibilities to integrate lights and ventilation
- High temperature stability up to +/- 0.1 K feasible



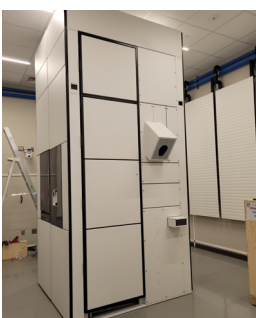
## KIGO STANDARD - on Walls

### Solutions to Electron Microscope Labs concerns:

- **Temperature stability:** KIGO radiant cooling effectively controls room temperature with minimal heat removal via air movement.
- **Space:** KIGO's high cooling power efficiently removes heat from electron microscope rooms without occupying space.
- **Air movement:** KIGO operates without air movement, relying on radiation for heat transfer.
- **Vibrations:** KIGO causes no vibrations in the room.
- **Acoustic:** KIGO's hydronic cooling panels are silent, ideal for sensitive electron microscopes.
- **Magnetic fields:** The austenitic steel used in KIGO panels is unaffected by magnetic fields and does not generate them.



KIGO Radiant Wall panels in an Electron Microscope Lab



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