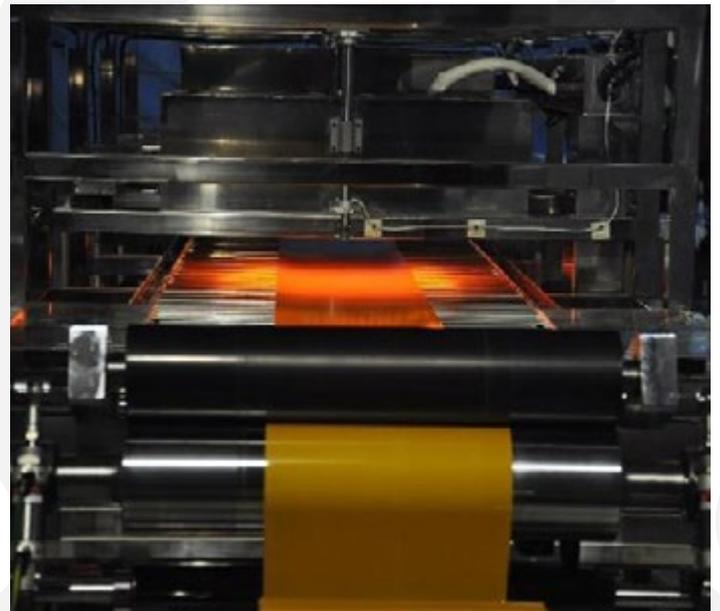




## Helios Quartz **INFRARED TECHNICAL CENTER**

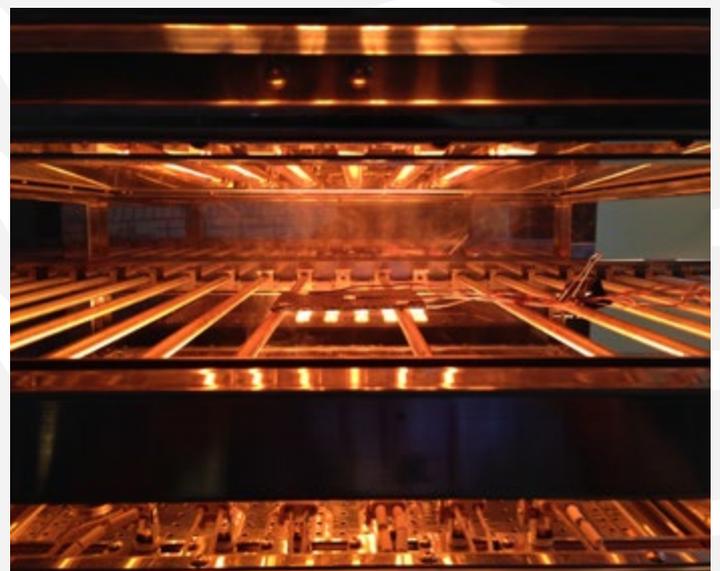
Over 70 years of experience, advanced technology know how and solid skills in many areas of various industries: working together with customers, **Helios Quartz designs solutions for the most specific and complex applications.**

In order to test different materials and to offer the best solution according to customer's specification, Helios Quartz established a **specialized Infrared Technical Center equipped with a cutting-edge Testing Machine capable of testing the behavior of all kind of materials subjected to infrared radiation.**



**Since 1940 Helios Quartz has been a leading manufacturer of IR Quartz Emitters (in single and twin tube, in short, medium and fast medium wavelength) and Infrared Systems for Industrial Applications.**

- ✓ The Helios Quartz Testing Machine is capable of **winding and unwinding of most materials** on a spool. **Line speeds up to 30m/min are possible to test materials such as plastic films and Metal coils** and how they react to IR Heating.
- ✓ Other Miscellaneous materials such as Leather or Textiles, may be used on our conveyor as an alternative. **Conveyor line speeds may go up to 25m/min**
- ✓ To fully simulate the processing application for our customers, **the machine may operate in a dynamic or static operating mode.**

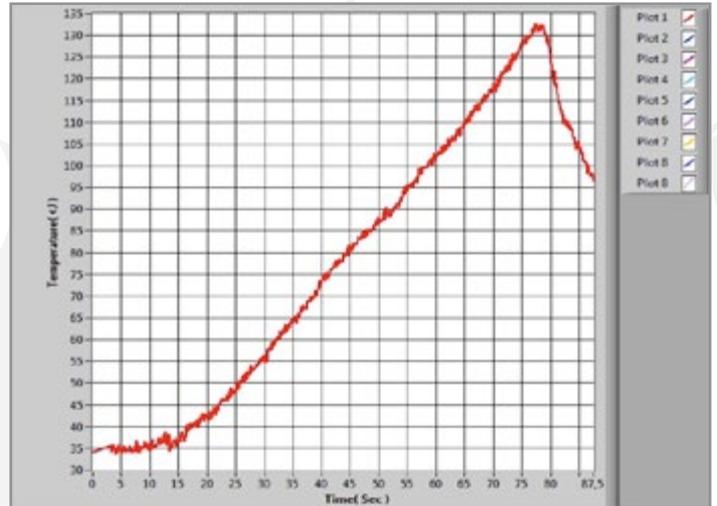




- ✓ The machine offers **3 different heating sections** which may be adjusted according to the distance required between the IR Lamps and the material
- ✓ **Detailed and accurate information are provided by the machine software** through a graphic that shows the temperature distribution on the product; **the temperature can be measured through up to 8 thermocouples or through an infrared thermometer.**

Multidisciplinary know how, accurate consultation with customers and mutual sharing of knowledge: Helios Quartz specialists at the Infrared Technical Center are able to provide the customers with accurate information about:

- the difference and the **benefits of IR technology** compared to traditional heating systems;
- the **most suitable wavelength** for the specific material;
- how the **IR radiation affects the material**;
- how the **IR system can be adjusted in the existing line**;
- how **IR technology optimizes production efficiency.**



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