

## WHY CONTACT THERMOGRAPHY?

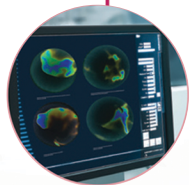
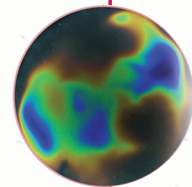
	Remote-sensing thermography	Contact thermography
Outcome influence by solar light	High	No influence
Outcome influence by external heat sources	Yes	No
Acclimattisation time	App. 15-20 min	6 min
Recommended room temperature	20-25 C	20-25 C
Recommended air humidity	45-55%	30-85%
Necessity of room adjustment in order to eliminate the influence of external factors	Yes	No

## WHAT DOES THE EXAMINATION WITH BRASTER PRO LOOK LIKE?



**STEP 1:** The Braster Pro examination is performed by an HCP with the support of a dedicated mobile app and takes about 15 minutes.

**STEP 2:** During the examination thermographic images are created on the liquid crystal matrix, representing the temperature distribution across the breasts.



**STEP 3:** The thermographic images of the breasts are sent to the Telemedical Center, where they are analyzed by artificial intelligence algorithms.

**STEP 4:** The results are available in the HCP's individual account within a couple of minutes.

➤ In some cases the results may need additional verification by Braster's medical experts, and in such situations they are available in the HCP's account within 48 hours.



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**Ruchi Tiwari**

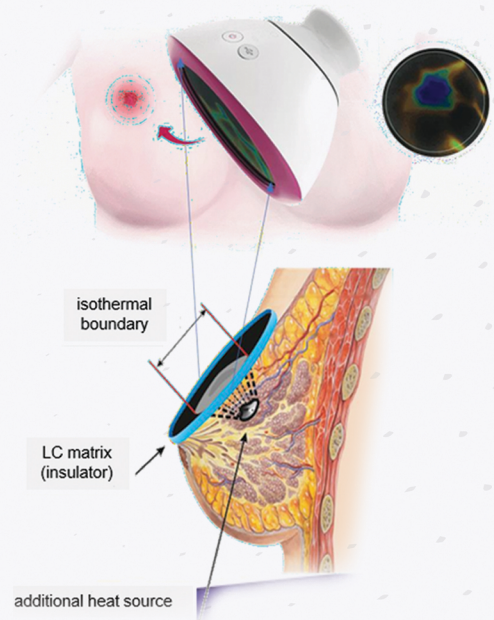
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## AI-Enabled Breast Health Screening Device



### HOW DOES BRASTER WORK?

Contact thermography is a functional method of imaging an organ. Tumor development is associated with a higher temperature in the place where the cancer is growing. Braster can detect those areas of highertemperature. When the device is applied to a skin, a liquid-crystal matrix creates an image representing the distribution of temperature among inner tissues. Those thermographic images are sent for further analysis.



### Unique liquid-crystal technology

Liquid crystals are chemical compounds that exhibit the properties of liquids and those of crystalline solids. BRASTER S.A. has an innovative, proprietary technology for producing mixtures of liquid crystals and a Continuous Liquid Crystal Film (CLCF) technology for applying liquid-crystal emulsion on the film.

