

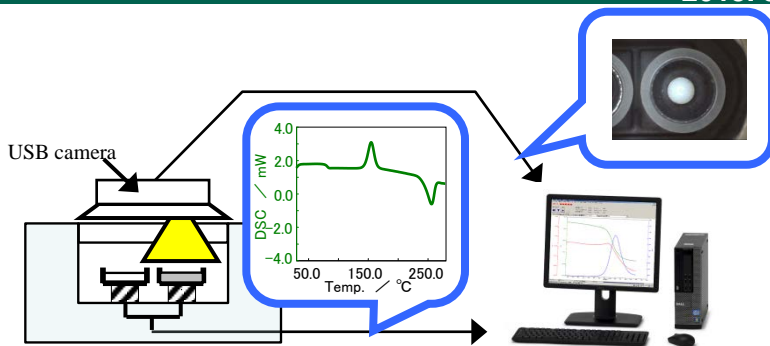
You can see the sample change during measurement with the Sample Observation Unit

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Thermal analysis methods are used for many fields, ranging from drug packaging, polymer production, bonding, foods, and electronics, in R&D and quality control, because it can measure thermal properties of sample. Characterizing thermal properties is fundamental to understanding materials.

Until now, we have only imaged what occurs during sample analysis of new materials in DSC and TG analyzers because the sample is contained in a sealed furnace.

NOW, the sample observation unit's camera system allows you to see the sample during measurement, allowing the collection of more detailed information, and better understand of thermal properties...



Configuration Image of the units

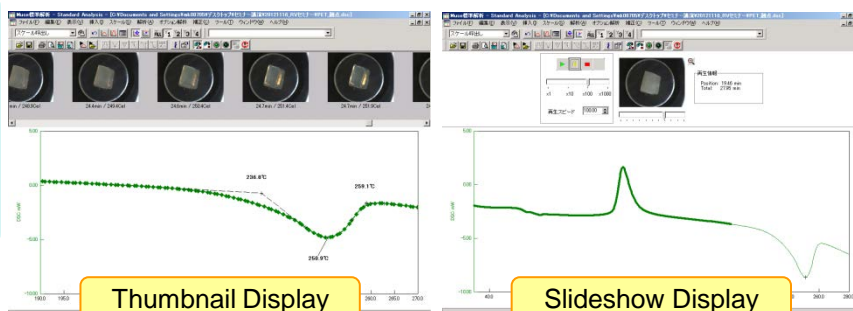
TA7000 software allows you to set the conditions for collecting images. The pictures can then be related to the thermal analysis data. The software features two types of display. Thumbnail display can show a snapshot in time overlaid with the thermal analysis data. The Slideshow display can be displayed like a movie.

You can see:

- Change of color
- Change of size

Typical applications include :

- Melting behavior
- Decomposition behavior
- Change of size with glass transition
- Change of color with heating



Line-up for Sample Observation Units



DSC



TG/DTA



DMA

