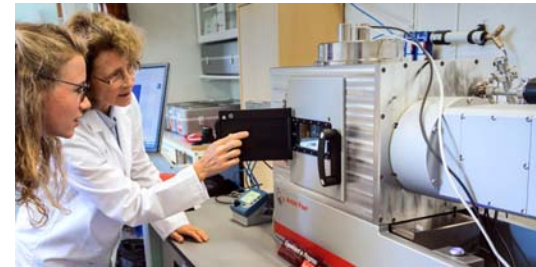


## SAXS/WAXS/GISAXS measurements on nanostructured materials

Anton Paar SAXSpoint 2.0

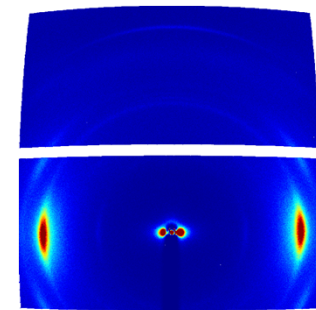


Characterization of the nanostructure of materials provides an opportunity to understand the relationship between process, structure and material properties.

- The SAXS/WAXS material characterization\* involves analysis of
  - size, shape
  - crystalline structure
  - orientation
  - periodicity, porosity, etc

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WAXS diffractogram of partially oriented crystallin polymers in a composite film. Orientation index  $f_c = 0.9$