

# High-Resolution Room-Temperature Powder Diffraction



***Philips PANalytical X'Pert Pro***  
Powder Diffractometer

- Operates at room temperature
- Suitable for the analysis of
  - Powders
  - Flat-cut bulk materials
  - Melt-spun ribbons and foils
  - Air-sensitive materials
- High resolution & data acquisition speeds
  - Johansson monochromator
  - Solid state X'Celerator strip detector
- Rietveld-quality data assure accurate
  - Phase identification
  - Molecular and atomic structures
  - Residual stress and strain data
  - Average grain size
  - Texture information