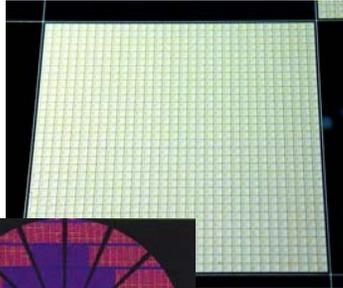
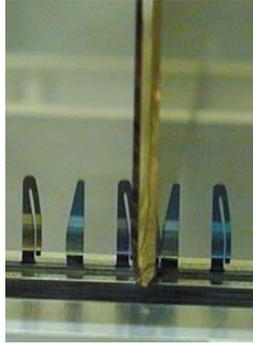
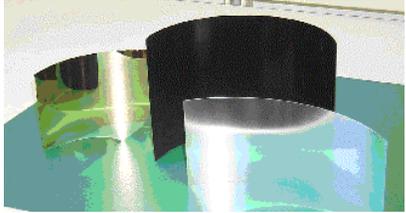




Technology Development Approach



- **Extension of demonstrated technology**
- **Parallel path technology development with defined selection milestones**
- **Leverages other technology investments:**
 - Cross-enterprise (coolers, optics, X-ray calorimeter)
 - SR&T (CdZnTe and calorimeter detectors, multi-layer coatings)
 - NASA Center IR&D and DDF (optics, coolers, calorimeter)
 - SBIR (calorimeter and cooler)
- **Greater investments now required for the transition from component bread boarding to system technology demonstrations**