

NewSUBARU

The NewSUBARU synchrotron light facility is operated by the Laboratory of Advanced Science and Technology for Industry (LASTI), University of Hyogo. This facility consists of an electron storage ring and nine beamlines. Electron injection is supplied from a 1 GeV linac of the SPring-8 facility. The conceptual layout of the NewSUBARU facility is illustrated below.

- (1) Five beamlines were upgraded for advanced research and industrial application. Upgraded beamlines are marked in yellow in the figure below. For example, there have been improvements in the beamline control system and an upgrade of spectrometer in the industrial analysis beamline BL05. A large EUV mirror reflectivity meter was installed on BL10. One of the LIGA beamlines, BL11, was remodeled for advanced industrial manufacturing.
- (2) Laser Compton scattering gamma-ray beamline BL01 was used for precise measurements of electron energy in the storage ring.

All NewSUBARU beamlines are open for industry use. Promotion of both use and technical assistances industrial users is supported by MEXT's "Project for Creation of Research Platforms and Sharing of Advanced Research Infrastructure."

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