The NSRRC is currently constructing a new 3-GeV Taiwan Photon Source (TPS), a low-emittance 3rd generation storage ring based on a 24-DBA-cell design. The TPS has six 12-m and eighteen 7-m straight sections and is expected to deliver x-rays with a brightness higher than \(10^{20}\) photons/sec\(\cdot\)mm\(^2\)-mrad\(^2\) in an energy range from 400 eV to 10 keV. This new ring is scheduled to open to users in 2014. Complying with the operation of the TPS ring, seven phase-I beamlines are under construction, including Micro x-ray protein crystallography, High-resolution inelastic soft X-ray scattering, Sub-micron soft X-ray spectroscopy, Coherent x-ray scattering, Sub-micron x-ray diffraction, X-ray nano probe, Temporal coherent x-ray diffraction. In this talk, we will present the scientific opportunities and technical specifications of the TPS beamlines.