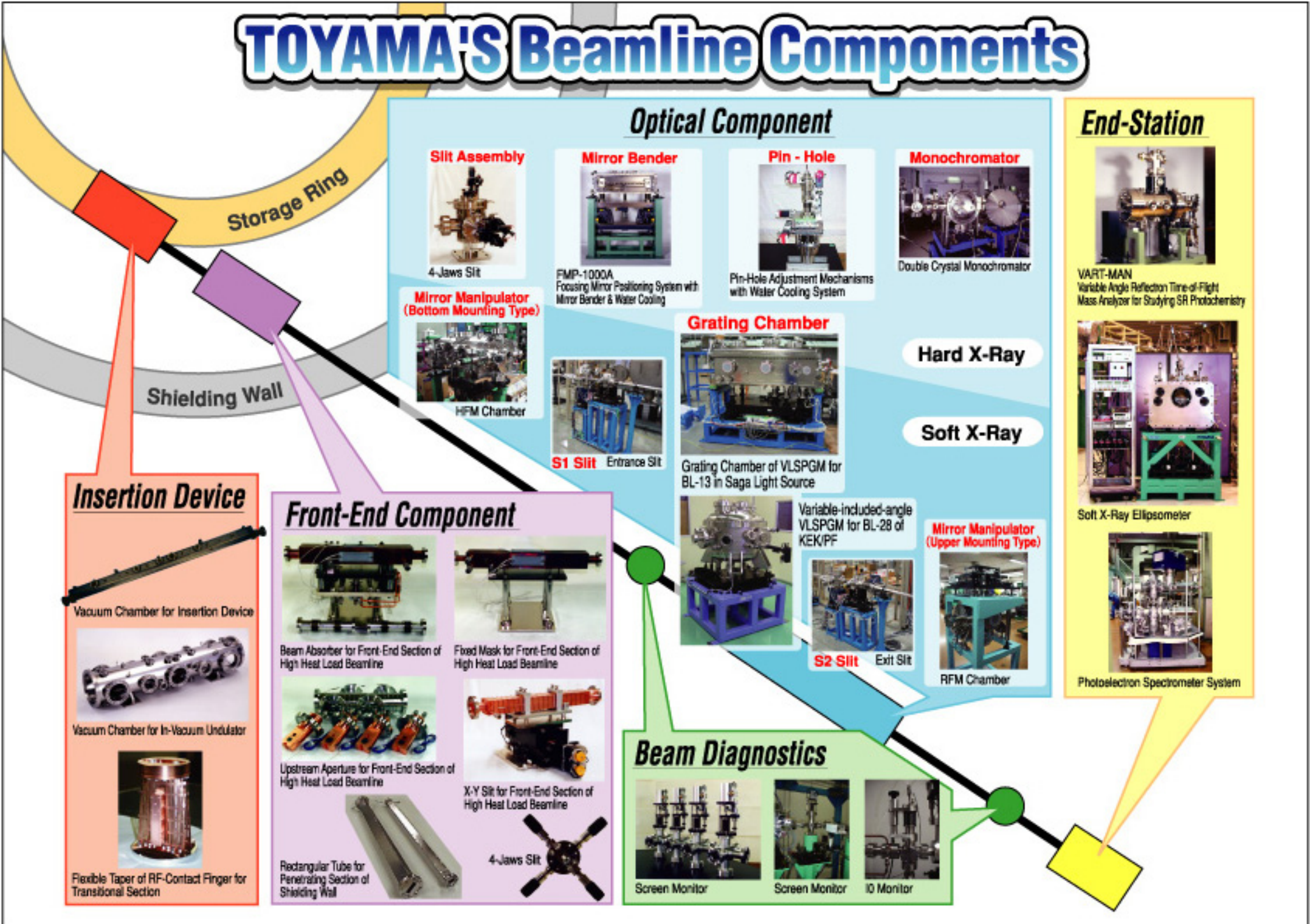


# TOYAMA'S Beamline Components



Storage Ring

Shielding Wall

## Optical Component

### Slit Assembly



4-Jaws Slit

### Mirror Bender



FMP-1000A  
Focusing Mirror Positioning System with  
Mirror Bender & Water Cooling

### Pin - Hole



Pin-Hole Adjustment Mechanisms  
with Water Cooling System

### Monochromator



Double Crystal Monochromator

### Mirror Manipulator (Bottom Mounting Type)



HFM Chamber

### Grating Chamber



Grating Chamber of VLSPGM for  
BL-13 in Saga Light Source



S1 Slit Entrance Slit

Hard X-Ray

Soft X-Ray



Variable-included-angle  
VLSPGM for BL-28 of  
KEK/PF



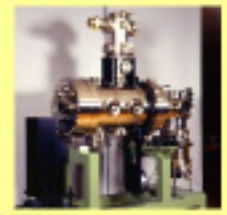
S2 Slit Exit Slit

### Mirror Manipulator (Upper Mounting Type)



RFM Chamber

## End-Station



VART-MAN  
Variable Angle Reflection Time-of-Flight  
Mass Analyzer for Studying SR Photochemistry



Soft X-Ray Ellipsometer



Photoelectron Spectrometer System

## Insertion Device



Vacuum Chamber for Insertion Device

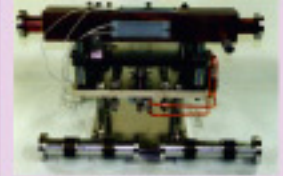


Vacuum Chamber for In-Vacuum Undulator

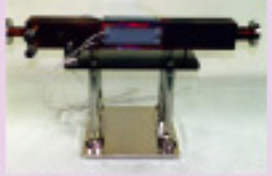


Flexible Taper of RF-Contact Finger for  
Transitional Section

## Front-End Component



Beam Absorber for Front-End Section of  
High Heat Load Beamline



Fixed Mask for Front-End Section of  
High Heat Load Beamline



Upstream Aperture for Front-End Section of  
High Heat Load Beamline



X-Y Slit for Front-End Section of  
High Heat Load Beamline



Rectangular Tube for  
Penetrating Section of  
Shielding Wall



4-Jaws Slit

## Beam Diagnostics



Screen Monitor



Screen Monitor



IO Monitor