

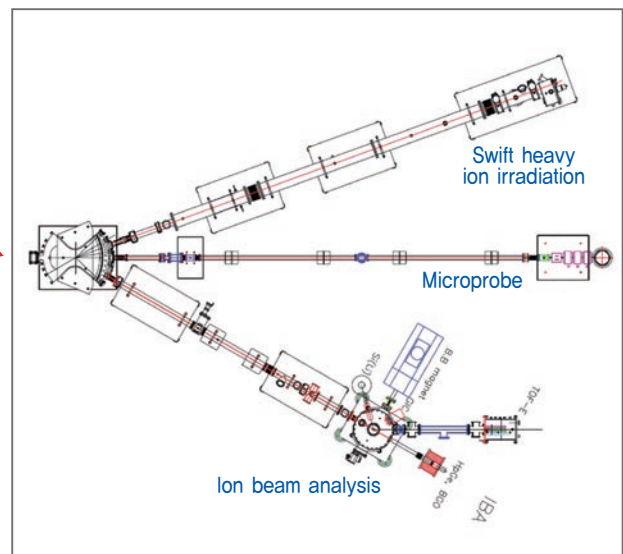
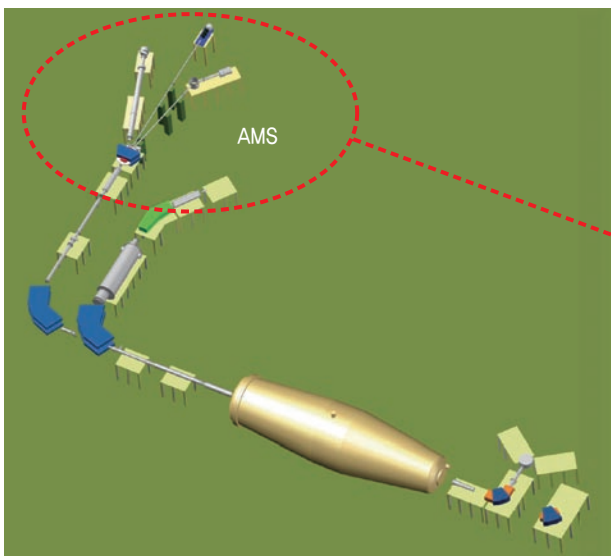
6 MV Ion Beam Accelerator

6 MV 이온 빔 가속기



View of 5 MV AMS machine

The 6 MV machine is basically equipped with the accelerator mass spectrometry; however, it is not AMS dedicated machine. Additional two ion sources (SNICS, Duoplasmatron) and the extra three beam lines consist of the overall tandemron system for extending the applicability of this machine. Three beam lines attached after the switching magnet are under installation. (it will be done within 2014) First one is multi-purpose ion beam analysis line for the backscattering spectrometry/Channeling (BS/Channeling), elastic recoil detection, nuclear reaction analysis (NRA), and particle induced x-ray emission (PIXE) analysis. Second one is microprobe beam line which is intending for micro-PIXE, scanning transmission ion microscopy (STIM) and so on. The last one, called swift heavy ion irradiation line, is constructing for material property modification.



View of 6 MV machine



View of three beam lines