

Prerequisites on the Pre-installation and Installation
of Philips Analytical Electron Microscope
(CM 12/STEM and SEM 515)

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전자현미경 장비 선택요령 및 설치조건

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An Analytical Electron Microscope System is widely used in Biology, Medicine, Veterinary Medicine, Agriculture, Materials, etc nowadays in Korea Market since mid of 1980's. How to install and to choose the equipments? The answers are which prerequisites are needed to us. The purpose is going to introduce the prerequisites of the pre-installation and installation of Philips Analytical Electron Microscope (CM 12/STEM and SEM 515, Philips, The Netherlands) in National Institute of Safety Research, Seoul and to discuss the check-subjects. The check-subjects in the pre-installation and installation are more than 24. The influences of magnetic fields, mechanical vibrations, earth are crucial factor for decision of installation site. The areas of our electron microscope center are 105.6 m² and have the Automatic Image Analyzer System (IBAS, Kontron GmbH., Germany) connectiong to the SEM mode. Water temperature was controlled by the NESLAB Recirculatory Chillers (HX-150, NESLAB Co., USA).