

## Neosiskorea Co., Ltd.

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major business	Radiation&Activity Measurement, Radiation&Activity Analysis Industry, Measuring Instruments and Research Equipment		

Neosiskorea Co., Ltd. is a comprehensive radiation/activity measurement solution provider, and has entered into overseas partnerships with Mirion Technologies, Inc. (Canberra) and Pantechnik to supply various radiation measuring instruments, accelerator systems, and radiation detectors. We have technology such as radiation signal processing circuit and system design to provide customized radiation measurement solutions and perform national R&D tasks related to nuclear safety monitoring/safety measures through cooperation with research institutes. In addition, as a KOLAS certification body, we provide radioactivity analysis services(ISO/IEC 17025:2017) for environmental and water and food samples.

### Products



NERMS-3NS

**Use** portable radiation monitor  
**Description** Cylindrical 3-inch NaI(Tl) Scintillator  
Socket type digital MCA application  
Built-in temperature compensation algorithm



NDS (Neutron Detecting System)

**Use** Multi-channel neutron detection system  
**Description** Various power supply from 5V to 24V  
Signal processing for BF<sub>3</sub> neutron detector  
Application of high-speed communication using TCP/IP



NSC-30D

**Use** automatic sample exchange system for HPGe  
**Description** Interlocking with Mirion/Ortec's HPGe measurement system  
X-Y-Z position movable robot arm  
Convenient drawer type sample holder

### Technical Capacity

#### » Multi-Channel Analyzer Technology

Scintillator detection system such as NaI(Tl), LaBr<sub>3</sub>  
Built-in circuits such as high voltage supply, PreAmp, and Peak Shaping  
Multi-purpose radiation measurement system applicable

#### » Gamma/neutron measurement technology

Detector customized signal processing circuit development technology such as LaBr<sub>3</sub>, NaI, IonChamber, PIPS, BF<sub>3</sub>  
Noise reduction filtering technology  
Development of advanced technologies such as simultaneous counting and ToF

#### » HPGe interlocking system control technology

Mirion company/Ortec company HPGe MCA interlocking control  
Operation of sample movement/rotation system through PLC control  
Implementation of application system such as nuclear fuel rod homogeneity evaluation, radioactive waste measurement, food radioactivity analysis, etc

#### » Radiation source direction finding system

Radiation source direction detection through 9 NaI(Tl) detectors  
Determination of the direction of the source through the difference in radiation sensitivity for each detector  
Provides quick detection mode and precision detection mode