



Desk Top soil fluoroscopy analysis System

R B O X R F + 5 0 μ M

X-ray Precision, Inc.

Patent Pending

RBOXRF+50 μM provides fluorescence X-rays analysis while looking at the fluoroscopy image and optical image of soil sampling.

If micro part X-ray fluorescence is conducted observing the sample internal structure by a fluoroscopy image, the two-dimensional information which was not acquired in the conventional X-ray fluorescence will be acquired.

- The ceramic metal X-ray tube and electronic cooling X-rays detector which are excellent in reliability realize high precision analysis.
- Analysis of a sample tray (15 cells for liquid granular materials) and a large-sized sample (200x135 mm) all over the districts .
- Sensitive analysis enables in selection of an X-ray filter (primary and 2nd).



RBOXRF+50 μM

Specification

- kind of sample
 - granular material, a liquid : put into an exclusive sample cell (max 15)
 - soil, plant, small animals, medical supplies, and electronic components
 - put on -XY stages (200x135 mm), can get fluoroscopy image of an arbitrary micro part.
- Appearance image observation
 - The color camera monitor of the X-ray irradiation side of a sample
 - The color camera monitor on the X ray irradiation back side of a sample
- Fluoroscopy image observation
 - The size of an X-ray image pick-up window : 18x12 mm
 - magnification x20
- X-ray fluorescence
 - analytical element : Si¹³~U⁹²
 - analysis domain : 10mmφ、1mmφ & 100μmφ
 - Si, S, K etc. a sensitivity up with vacuum evacuation
 - granular material, liquid :Qualitative analysis automatic fixed quantity by an exclusive sample cell
- Equipment size
 - 500 (W) × 600 (D) × 670 (H) mm
- Equipment weight
 - apr. 60kg, and PC, Vacuum pump
- power supply
 - AC100~240V 50/60Hz 500VA (vacuum pumpAC100V)

Specification may be changed for improvement.

This equipment is a product of joint research development with the National Institute of Advanced Industrial Science and Technology.

X-Ray Precision contributes to realization of safe society

X-Ray Precision, Inc.

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