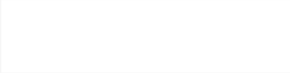


SpeboX

SpeboX is a kind of testing and sorting instrument designed by Suzhou LANScientific Co., LTD., with many years of XRF technology research and development experience, combining optoelectronics, microelectronics and computer software and other technologies.

Tracking, detection and judgment of material quality is a key link in the production and screening process of enterprises in waste recycling, consumer goods, ore mining and selection. Compared with the traditional sorting method, the SpeboX sorting speed is faster with higher accuracy, combined with the robot arm can be embedded in the conveyor, feeder, shunt and other automation equipment. Through nondestructive testing of the elements and content of materials, it provides a new sorting method for recycling and quality testing industry and bringing a revolution in the sorting field!



Application range -

Application field

- Screening of hazardous substances for RoHS consumer products
- Automatic on-line monitoring of soil heavy metals
- Ore exploration, mining, selection and detection
- Sorting of recycled products in waste recycling station

Technical parameters and specifications -

WEIGHT	2.5KG
DIMENSIONS	240*145*70 mm (L×W×H)
EXCITATION SOURCE	50KV/200μA maximum pipe pressure pipe flow can be adjusted freely,Ag target (standard),Au,W,Rh target(optional)
DETECTOR	Si-pin detector, 240*145*70 mm (L×W×H)
RANGE OF DETECTION	All elements between Mg and U.
DISPLAY SYSTEM	Industrial resistive touch screen with screen size of 4.3". Proprietary operating system and LANScientific analysis software. Multiple languages including English and Chinese. And it automatically adjusts display brightness according to the environment brightness.
DATA PROCESSING	32GB memory,USB, bluetooth, WIFI, or linked to the Internet; instrument can be configured and repaired remotely. Data can be exported via EXCEL or PDF. Users can customize the reports by adding their company logos, addresses, test results, spectrum and others (such as product description, origin and batch number).
HEAT DISSIPATION	Equipped with a dedicated T-shaped radiator to dissipate the heat, no need to wait for cooling of detector time again.
SAFETY	Built in DoubleBeam™ technology to automatically detect the front of the sample, to improve the safety and protection of the radiation level. Waterproof, dust-proof and shockproof suitcase. LANScientific Safety Band.
POWER SUPPLY SYSTEM	Intelligent battery management through MSBUS bus, real-time monitoring of the residual capacity of battery and backup battery. The battery complies with air transport regulations of dangerous goods. A single battery can last 8 hours.

Product detail -

Strength of Equipment

1. Increase the sorting accuracy
It is safer and more reliable to test samples one by one.
2. Improve the sorting speed
The sorting speed can be increased by 60% with the same working time
3. Improve the work efficiency of the enterprise
Analysis data report can be made in PDF format or Excel format. On the basis of the test, you can also modify the test according to the screening needs, to achieve personalized screening of different materials and different elements. Reduce manual operation, improve enterprise work efficiency.
4. Improve economic benefits
Reduce material consumption, improve material recovery rate, save labor, improve enterprise economic benefits and competitiveness.

► Related video +

► Related products +