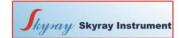


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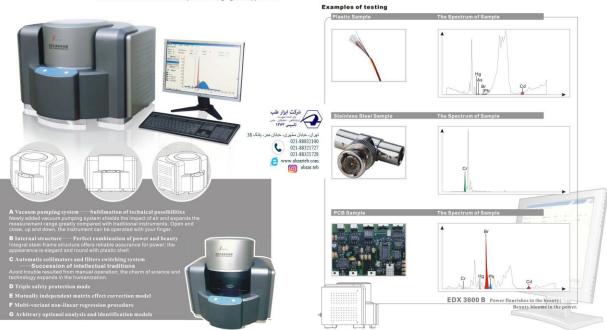




With the most advanced technology in the field of X-ray fluorescence detection——signal-to-noise enhancer(SNE), EDX 3600B decreases the detection limit greatly through lowering the interference of circuit and various ambient noises, and at the same time the interference from other elements has been brought down to a minimum and accuracy of detection is further increases. SNE can raise the signal processing ability of EDX3600B 25 times efficiently, and obvious results can be obtained especially while detecting Pb and Cd.

A combination of inner and outer cultivation is the nature of HIGH QUALITY instruments.

HIGH-PERFORMANCE SYSTEM operates with gorgeous appearance



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What is RoHS and WEEE Directive ?

On 13 Feb, 2003, European Union issued Directive 2002/95/EC on ROHS and Directive 2002/95/EC on WEEE. The EU directives RoHS and WEEE have been implemented. New electrical and electronic equipment put on the market from 1 July 2005 shall not contain lend(Pb), mercury(Hg), cadmium(Cd), bexavalent chromium(Cf^{**}), polybrominated highertyle (PBBs) or polybrominated diphertyl ethers(PBDEs).

Testing standards for substances restricted by RoHS Directive

Hazardous substances	Standards (mg/kg)
Cd	100
Pb	1000
Hg	1000
Br(PBBs & PBDEs)	1000
Cr**	1000

Restricted substances and their typical uses

РЬ		
Solders		
Paints	Pigmen	ts and driers
Glass materials	Pb is al	owed in fluorescent lamp
Ceramic materials	Pb is all	owed in certain electronic ceramic materials
Iron, aluminum and coppe	er materials	A certain amount of Pb is allowed
Plastic	PVC sta	bilizer and pigments
Batteries	Pb is al	lowed in acidic batteries for vehicles

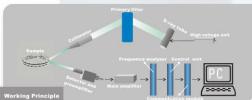
Cq		
Plastics	Stabilizer and pigments	
Solders	Seldom used	
Ceramic materials	Seldom used	
Connectors		
Batteries	Cd is allowed in Ni-Cd batteries	
	Ontical sensors and solar cell papels	

Batteries	Prohibited (see battery directive)
Connectors	Relays and sensitive switches
Fluorescent lamps	A certain amount of Hg is allowed

Chrome plating layers Plating layer of chromium metal is not under control
Plasticizer Commonly used to plastics plating process but not final products PBB&PBDE

The analytical method of filtration for RoHS substances





Characteristic X-rays of elements
Each element will emit X-ray with its own energy when it is excited, this characteristic X-ray is called
X-ray fluorescence. That is the basis for analysis.

Scatting It is the background of the spectrum.

C means
The content of element in the sample.

 $I_1,I_2,I_3\cdots\cdots\text{mean}$ X-ray fluorescence intensities of elements in the sample respectively.

K), K). K: "---mean Coefficients to be calculated. The coefficients (i. k., K): ---can be determined with the samples of known contents though the establishment of scale ment.