Thick991

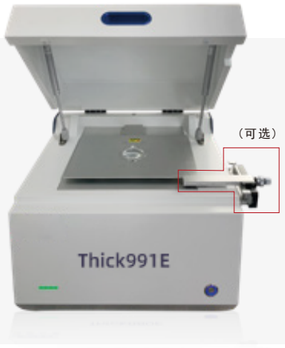
Coating thickness measurement series

Down-illuminated

optional mobile platform

Application areas

Electroplating factory › Electronic and electrical factory › Steel plant/ alloy plant › Semiconduct or Industry › Testing Center ›



◎ High-precision micro-focusing light pipe ◎ Automatic adjustment of cross lines

◎ Extra-large/open sample stage ◎ High-precision XY sample stage (optional)

Thick991 series products are a widely used energy dispersive X-ray fluorescence coating thickness measurement and material analyzer.
It is ideal for non-destructive measurement of coating thickness, material analysis and solution analysis, as well as inspection of mass-produced parts.
Coatings on components and printed circuit boards. Suitable for customers to carry out quality control, incoming material inspection and production process monitoring.

Performance advantages

- Measure 5 layers (4 coating layers + substrate layer), analyze 15 elements at the same time, and automatically correct X-ray overlapping spectral lines;
- High measurement accuracy and good stability, the measurement results are accurate to uin;
- Fast and non-destructive measurement, short measurement time, measurement results can be obtained within 10 seconds at the fastest;
- Can analyze solids and solutions; qualitative, semi-quantitative and quantitative analysis;
- Material identification and classification testing, material and alloy element analysis, elemental spectral qualitative analysis
- Powerful data statistics and processing functions: average, standard deviation, relative standard deviation, maximum value, minimum value, etc;
- Result output: print directly or export to PDF or Excel files with one click; the report contains data, images, statistical charts, customer information, etc;
- Measurement position preview function; high-resolution color CCD sample observation system, standard optical magnification is 30 times;
- Provide global service and technical support;

Technical Parameters

	Measuring element range:	Sulfur S - Uranium U
	detector:	Si-pin/SDD optional
Collimator	type	Fixed type
	Fixed category size	0.2mm
Application Analysis	Display mode:	Element spectrum display
	Element display:	Label pattern display
	The indicator shows:	Display elements and measurement values
	Camera:	High definition camera
	Magnification function:	local doubling
	Window size:	Unlevelable window size
	Application:	Single plating, double plating, alloy plating, plating solution
The main chassis	Input voltage:	AC220V±10% 50/60HZ
	Communication method:	High-speed USB transfer
	Temperature control:	Preamplifier and chassis temperature control
	Safety devices:	If the chamber door is opened during measurement, the X-ray will be turned off within 0.5s
	Size:	41*40*33cm
Multi-channel analysis	Detector address:	4096 road address
	Temperature control:	Automatic preamp temperature control
X-ray source	X-ray tube:	High-precision micro-focus light pipe
	High pressure:	0-50kV（programmable）
	Tube current:	0-1mA（programmable）
	Target target:	Wtarget
Test platform (optional)	Operating mode:	High-precision manual adjustment
	Position control:	High-precision XY axis positioning

Copper nickel plated gold plated　　Iron chrome plated　　Galvanized iron