

Micro Pioneer 2020L XRF Specifications

XRF2020H X-Ray

Including the following items:

Programmable, motorized X-Y-Z stage

Chamber Dimensions H 19", W 24.4", D 26"
Tungsten target, oil cooled X-ray tube. Others Available.
Laser focusing
Temperature controlled chamber and preamplifier
X-Ray beam to video image alignment software
Automatic system "Sleep Mode"
X-Ray tube shuts off between measurements
Automatic detector protection
Multiple digital measurement filters

Two (2) year X-Ray tube warranty (double of all other brands)

System Computer

Computer with Windows Pro operating software
Hi-resolution flat panel LCD monitor
Video display overlay on monitor

One year (Dell) manufacturer's warranty

System Graphics

Graphical user interface displays measurements, statistics, and spectrum display
Integrated video image of samples
Statistics with average, standard deviation, lowest/highest reading, X-Bar & R Charts, CP, CPK, CV & Histogram
2D/3D Topography of plating thickness
Five custom report formats
Company logo and heading displayed on reports

Measurement Functions

Excitation mode (ISO 3497-A1)
Linear Mode for thin coatings
Alloy, single and multiple layer plating measurement
Thickness and Composition of alloys simultaneously
Coating density correction
Solution Analysis

Camera and Optics

Digital CCD high-resolution color
Video image overlay on display
Computer generated, colorized reticule
X-Ray beam displayed at actual size
LED sample lighting adjustable by mouse control

Three Image Magnification Selections

Programmable X-Y-Z Stage

Fast and precise motorized stage with cushioned ramping of stage movements
Automatic stage forwarding for easy sample loading and unloading with integrated laser
12"W x 10"D Stage Platform
Stage travel X=8" Y=6" Z=1"
Mouse-controlled stage operation
Click and measure automatic sample positioning

Micro-Focus XRF Tube (Optional)

Optional Micro-Focus, stable, long-life tube (85x85 um spot), oil insulated and air cooled

Plating Bath Analysis

Analysis of metal content in plating solutions within 60 seconds and no sample preparation

Collimator Changer (Optional)

Automatic 5 position changer: 4mils, 8mils, 12 mils, 16 mils diameter and 2x12 mils

Detectors

Proportional Counter, Pin Diode or SDD

Warranty

2-year warranty on X-Ray tube!
1-year warranty on parts and labor subject to normal terms and conditions