

SciAps XRF Models

We've created the best price/performance line of alloy analyzers to suit your operation, from our 30+ years of alloy analysis experience.

A standardized & field worthy platform

All the X models are the same basic platform.

Camera

Built-in High Resolution Camera

Light-weight

(3 pound), balanced, ergonomic, free standing design

Detector protection

high speed steel shutter protects the detector between tests

Total Connectivity

All models run on Android OS so connectivity to mobile phones, PCs and other devices is seamless, allowing for easy data logging, data sharing and reporting.



Buy the X-250

for the most speed and highest precision available on the market today.

The main reason to buy the X-250 instead of X-200 is to sort out aluminum alloys with low % Mg even faster.

Pain-free Upgrade Path

Any of the X models can be upgraded to any other X model. Never worry about changing testing requirement.

Model Specific Features & Benefits

Model	X-ray Tube	Detector, Rate*	Key Features
X-250	High Power, 50 kV, Rh anode	20 mm ² standard SDD, DPP. 150k cps, >90% Live	Fastest scrap sorter available for all alloys: high temps, stainless, red metals, specialty alloys and turnings plus best-in-market performance. ● High power X-ray tube provides maximum count rate for elements like Mg, Al, Si, which allows you to sort 90% of your aluminum alloys in 2 seconds (including those with as little as 0.25% Mg)
X-200	40 kV, Rh anode	20 mm ² standard SDD and DPP. 150k cps, >90% Live	Our most popular model. ● Offers comparable speed/precision as top of the line competing brands, at a lower price point, in a smaller, lighter package. ● Best value where aluminum sorting is daily but not the major focus. ● Requires a 2nd beam test of 10-20 s for Mg at 0.8% in Al base. ● Requires 5-6 second beam 2 test time for Al, Si, S and P. ● Requires 15-20s to measure 0.3-0.5% Mg in grades such 6063 or 356 or 3004.
X-100	40 kV, Rh anode	20 mm ² standard SDD, DPP. 150k cps, >90% Live	Identical to X-200 for elements titanium and higher. ● No 2nd beam calibrations, so Mg, Al, Si, P and S are NOT analyzed. ● Perfect for locations requiring the speed and precision of an SDD detector, but with no need for 2 beam, light element analysis. ● An alternative to PINs if you want 9x the speed or 3X the precision.
X-50	40 kV, Rh anode	7 mm ² PIN Diode, Standard DPP. 15k cps, 90% Live	Our most economical model, Great for sorting most SS, high temps, red metals in 3-5 seconds EXCEPT those that require analysis of Mg, Al, Si, P or S. ● Limited to sorting Al alloys into MLCs, 2000's, and 7000's

* The combination of count rate and live time are key performance parameters when evaluating a handheld XRF analyzer. The X-series is available with a range of detector/pricing options, all upgradeable.