

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-300

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

The main reason to buy the X-300 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-300	50 kV, Rh anode	20 mm ² premium SDD, FAST DPP 250k cps at > 90% live	Best speed & precision for all alloys – high temps, stainless, red metals, aluminums. ● Measures key alloying light elements Mg (> 0.7% in Al base), Al, Si, S and P in 2-3 second beam 2 tests – 5-seconds total test time! ● Measures 0.4% Mg in 6063, 356, 3004 in 5 sec. beam 2, 7 seconds total test. ● If you want the premium XRF in terms of speed and precision on all alloys, ● And you want the fastest XRF available for aluminum alloys choose the X-300.
X-200	40 kV, Rh anode	20 mm ² standard SDD, DPP. 150k cps at > 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 at > 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, 50% 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.

Quick Comparison Guide

The table below summarizes key performance features by various models. We're also pleased to include the SciAps laser-based alloy analyzer the Z-200. The Z is the most widely used laser based system in the world, having been adopted by many major scrap processors, primary metal producers and fabricators.



Performance Feature	X-300 (XRF)	X-200 (XRF)	X-100 (XRF)	X-50 (XRF)	Z-200 (Laser)
Highest precision with fastest test times, all alloys of any brand HH XRF. Fastest on Al alloys of any HHXRF.					
Precision and speed comparable to or better than competing top end brands, but at lower price point.					
Fastest possible Mg measurements in Al alloys – intended for most precise, fastest Al alloy sorting possible with X-ray. Measure Mg (0.7% and higher), Al, Si, S and P in 3 second, beam 2 tests, 5 sec. total. Mg at 0.3 - 0.6% in 5 sec beam 2.					
Measure elements Mg (0.7% and higher), Al, Si, S and P in 10-20s beam 2 comparable to current competitive models Delta Premium, xL3t Gold+, Bruker Titan 5 but at a lower price point					
Test SS, high temps, red metals with speed, precision comparable to top end competing brands, but NOT analyze elements Mg, Si, Al, P and S .					
Basic sorting of SS, high temps and red metals.					
Only sort Al alloys by MLC's and 2000's and 7000's					
Analyze elements X-ray cannot measure: Li, Be, B, C					
Sort Al alloys faster and more precisely than any other technology.					
Analyze all alloys reliably, using a laser source rather than X-ray. Eliminates all X-ray radiation requirements.					



Check out our X Series **videos** for a preview of the performance up to 10 times faster than other X-ray analyzers.
<http://tinyurl.com/zk67evr>



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