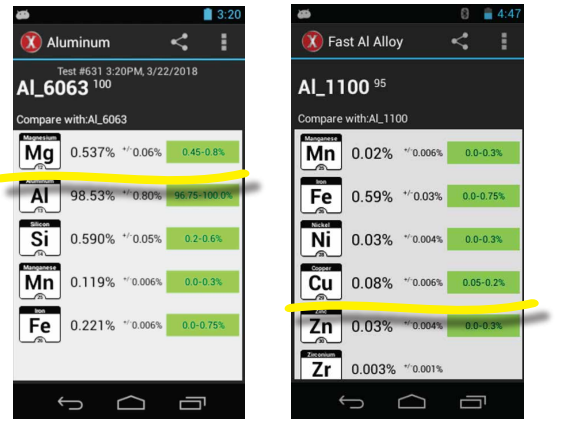
Scrapper X-250

An X-ray analyzer designed from the ground up to be the fastest scrap sorter in existence

The Scrapper X-250 blows away the X-ray legacy for aluminum alloys.
It's ultra-fast on Mg, Al and Si and therefore nearly all aluminum alloys. AND still delivers the hallmark of X-ray – great performance on high temps, stainless and turnings.



So How does it Work?

1. First we employed a new X-ray tube technology that delivers 3x or more power for exciting Mg, Al and Si. This is critical to get faster Mg, Si measurements.
2. Next we tossed conventional wisdom out the window and re-invented the best way to analyze Al alloys. The result is our patent-pending Aluminum App. Unlike high-temps, it measures Mg, Si, Al, Ti, V, Cr, Mn, Fe, Ni, Cu, Zn in the first 2 seconds. In fact, the X-250 will measure Mg down to 0.2% in this time and Si below 0.1%. 90% of the aluminum alloys measured by most recyclers can be sorted in 2 seconds.
3. Then we added some smarts. The algorithm knows if additional elements Zr, Ag, Sn, Pb, and/or Bi are needed to ID the alloy. In that case, the X-250 automatically switches to the standard beam condition to measure elements in 2 additional seconds. So 90% of your aluminum alloys in 2 seconds, 100% in 4 seconds.

What's the big deal?

A perfect example - 1100 and 6063 mix-ups

Older X-ray guns take 20-60 seconds to measure the must-see 0.5% Mg in 6063, and most operators don't want to wait that long. Instead, they'll key on the copper as an 1100 indicator. However, tramp Cu is now prevalent in 6063 up to 0.1%, so not measuring the Mg will cause a mix.

Our new X-250 model excels here - by measuring the must-see 0.5% Mg in 2 seconds, along with the low Cu, the X-250 instantly confirms 6063 and 1100. No more mix-ups!

Want to sort your aluminum alloys faster and better with your X-ray gun? Give us a call, and give the X-250 a test drive. See how much more productive your aluminum scrap operation can become.

5 Constitution Way, Woburn, MA 01801
+1339.927.9455
www.sciaps.com - sales@sciaps.com

SciAps

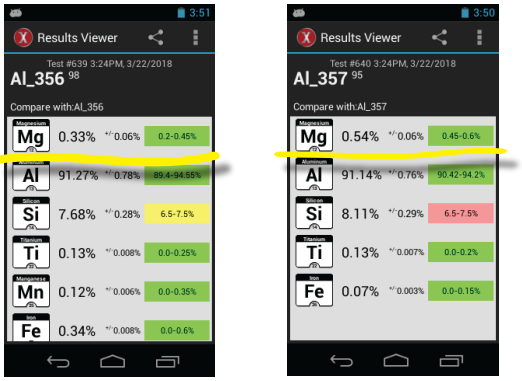
The SciAps Scrapper X-250 & Aluminum App

An X-ray Gun that Revolutionizes Your Aluminum Sorting

Sort 90% of your Aluminum Alloys in 2s, 100% in 4s

The speed and accuracy of X-ray for high-temps, stainless and turnings, and now available for aluminum. The X-250 delivers the performance you need on Mg, Si and Al to segregate aluminum alloys that may only differ by a few tenths percent of Mg or Si. And you don't give up any of that performance on high temps and stainless that XRF is so good at.

Measure Mg up to10x FASTER than any other X-ray gun.



Example The X-250 Aluminum App separates alloys such as 356/357, or 3003/3004/3005 all in 2 seconds. What used to take 30-60 seconds or wasn't even possible with X-ray is now lightning fast with the X.

Aluminum App

Your new best friend

Peel off a few tons of sweet aluminum every day. Sort it like a metallurgist without breaking a sweat.

BLISTERINGLY FAST

What is the Aluminum App?

It's a totally re-thought way of analyzing and sorting aluminum alloys with X-ray. It ignores the way every other X-ray gun analyzes aluminum, and it delivers testing times as much as 10x faster. It allows you to finally sort aluminum alloys profitably, accurately and quickly with the same gun that works so well on your high-temps and stainless.

Sort mountains of aluminum with 2 Second tests

At SciAps we put our decades of alloy sorting experience to work.

The three "Must Haves" for better aluminum sorting

- Much better Mg, Al, Si results, so many common Al alloys are distinguished by Mg or Si content.
- Maintain good results on transition and heavy metals like V, Cr, Mn, Fe, Cu, Zr, Pb, Bi. Many aluminum alloys differ by small quantities of Cr, Mn, Cu or other elements easily measured by X-ray. Like 6061 with 0.04 Cr minimum, or 1100 with 0.05 Cu minimum.
- We added some smarts to the logic. We turned upside down all the "conventional wisdom" for alloy sorting.

SciAps

ANDROID