

The DELTA - Innovative Features Handheld XRF for Scrap & Recycling



Think you have the **fastest** and **most reliable** HHXRF?
Think again.

Upgrade to the Latest and Greatest in Handheld XRF!

Introducing the **DELTA** Line

The scrap processing & recycling industry depends on handheld x-ray fluorescence (HHXRF) analyzers for metal sorting, buying and selling. Managers cannot afford to depend on out-of-date and unreliable equipment, or untimely support of their equipment. They also cannot afford to fall behind the technology curve. The analytical capabilities of HHXRF continue expanding, and new features continually make operators more effective and efficient. Upgrade your HHXRF to the DELTA – the latest HHXRF loaded with innovative features and backed by the industry’s best service and support.



Brains & Brawn – No Compromise!

The DELTA is the pinnacle of HHXRF development:

- » Field worthy, industrially rugged design:
 - » Durable and Reliable
 - » Ergonomic and Balanced
 - » Hot Swap Batteries and Docking Station keep the DELTA ready 24-7!
- » Superior Analytical Speed & Precision:
 - » 4x the tube current for fast, accurate aluminum sorting
 - » Lowest detection limits – key for ferrous applications and confident grade sorting
 - » Fastest throughput means the fastest ROI!
- » Ground-breaking Smart Features:
 - » Save Time – SmartSort automatically navigates the shortest time to the right answer
 - » Improve Quality Control and Material Flow – Grade Match Messaging keeps everyone on the same page
 - » Optimized Grade Library delivers the fastest, simplest point and shoot performance!

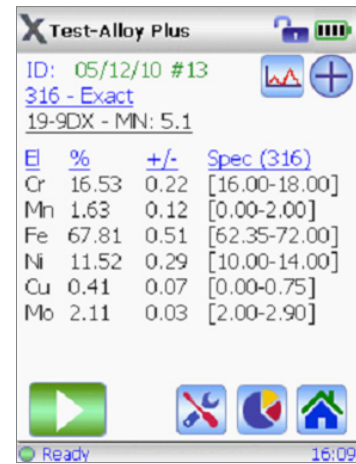
Innovative Features for Scrap Processing:

Grade Match Messaging

- » The Yard Manager can quickly and easily assign pop-up messages to specific alloy grades
- » At the conclusion of a test, a new window opens on the display with the assigned message. For example, a “316” ID can tell the operator: “Mo content: mark BLUE”
- » Next test can be started immediately, or full chemistry result can be viewed with one click
- » GMM offers superior user efficiency and effectiveness for sorting:
 - » Immediate sorting instructions!
 - » Less operator training!
 - » More efficiency and higher throughput!



Grade Match Message



Chemistry is always available
- select OK from the Grade Match Message

PRODUCT DATA

Innovative Features for Scrap Processing:

The most productive scrap sorting maximizes both speed and accuracy. Other XRF systems have compromises – you can ID metal very fast but an inexperienced operator may not know if an ID is wrong, or when to test longer. Or, historically, operators simply took fixed-time tests to be conservative when, in fact, for many metal pieces much faster tests can be performed. The risk of downgrades is too great to put this much decision making in the hands of inexperienced operators.

SmartSort automates all these sorting decisions, allowing even inexperienced operators to maximize both speed and sorting accuracy. This powerful feature yields unsurpassed throughput and accuracy, easily making the DELTA the most productive sorting tool you'll ever purchase.

SmartSort

- » Specific grades can be set up to automatically extend testing time, preventing mix-ups
- » Maximizes efficiency for speed testing – automatically extends tests for light elements (Mg, Al, Si, P, S) when absolutely necessary - eliminate unnecessarily long tests AND avoid mix-ups
- » Makes the DELTA an extremely fast analyzer for general sorting



Unrivaled light alloy performance (ask for our Aluminum Alloy sorting report)

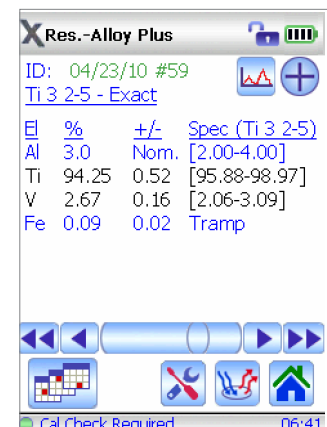
- » The DELTA offers the most powerful x-ray tube in a handheld: 4x the power!
- » The DELTA provides unmatched aluminum and light alloy sorting capabilities
- » Sort Al alloys differing principally by only small amounts of light elements
Upgrade your aluminums quickly and easily:
 - » 356 – measure the 0.4% Mg in only 10 seconds!
 - » Sort 1100 vs 6063
 - » Sort 3003 vs 3004 vs 3005

Nominal Chemistry

- » Nominal chemistry provided for 'invisible' elements, based on grade ID, including:
 - » Elements not tested under active beam, e.g. Al in beam 1
 - » Or XRF invisible elements, e.g. B or C
- » Competitive systems don't tell you what elemental chemistry is actually nominal. The DELTA *does* – it provides critical information to the operator in its clear results display

Tramp Library

- » Standard for years in OES systems, the DELTA is the first HHXRF to introduce this feature
- » Allows operators to set a max tolerated concentration for individual elements in 7 unique grade families; these elements are considered "Tramp"
- » The DELTA comes preloaded with a tramp library based on industry standards
- » This allows the analyzer to ID and report tramp material, and allows the user to simplify grade matching by not counting small, expected amounts of tramp elements against the grade match



Analysis results display demonstrating Nominal value (3% Al) and Tramp element (0.09 % Fe) features.

Contact Innov-X Systems or your local distributor for a free on-site demonstration of the DELTA and its innovative features. The benefits are clear – upgrade and sort your material **FASTER**, with more **CONFIDENCE**, and with a more **RUGGED** and **RELIABLE** analyzer. And, Innov-X will be there to support you – our goal is to provide the best technology to keep you up and running.

Through our partnership with Steinert, Innov-X also offers automated sorting solutions in addition to our handheld and mobile XRF solutions. We are dedicated to the scrap recycling business and providing analysis solutions.

Contact us for more information and a free on-site demonstration.

