





Fast, Accurate, and Durable LIBS Metal Analysis.

SORT, CLASSIFY, AND VERIFY YOUR ALLOYS WITH ONE OF THE
LIGHTEST AND MOST RUGGED LIBS ANALYZERS.

 Scrap Metal Sorting

 Positive Material
Identification (PMI)

 Quality Assurance
in Metal Fabrication



Alloy Analysis for Your Application.

**ACCURATELY ID ALUMINUM ALLOYS, STAINLESS STEELS,
MAGNESIUM, TITANIUM, NICKEL, COBALT, AND MORE.**

The **OA-100S LIBS** analyzer can be used in a wide range of applications including scrap sorting, product verification, material identification, and other elemental analysis with LIBS. The OA-100S can sort, classify, and verify light elements that XRF analyzers can't. Its durable, accurate alloy analysis makes the OA-100S the tool of choice for the following applications:

Scrap Metal Sorting

Get the highest value from your scrap

Quality Assurance & Quality Control in Metal Fabrication

Verify your incoming materials as well as your final products before they ship

Positive Material Identification (PMI)

Classify every piece of metal in your facility

Small, lightweight design for less fatigue and highest throughput

Specified for military use in the field

Longer battery life for less downtime

Lower cost of ownership vs. legacy technologies

Easy-to-Use Software
Easily customize your results layout and eliminate guesswork

Laser "On" Indicator
Knowing when the instrument is operating

Tilt/Touch Screen
For easy viewing in any lighting, in any position

Large Button Navigation
Use while wearing work gloves

Safety Window
Thick safety window keeps dust, scrap, and dirt out

USB/Power Ports
Power and transfer data simultaneously (wireless also an option)

Trigger/Quick Launch Buttons
Ergonomic, intuitive trigger and navigation buttons at your fingers for data tracking

Contoured Handle
Comfortably handle your OA-100S all day, every day

Macro Camera
Sample imaging and barcode reading for data tracking

Rechargeable Li-ion Sealed Battery Compartment
Easy to open and close battery compartment for quickly swapping your battery

Unique Kickstand
For optimum viewing and grabbing position



OA-100S ADVANTAGES Over XRF

FEATURES	OA-100S LIBS	XRF
Analysis of any alloy in < 3 seconds	✓	
Analysis of lithium in aluminum alloys	✓	
Analysis of beryllium in copper alloys	✓	
Superior Mg in Al alloy performance	✓	
Overall superiority at analyzing lighter metals	✓	
Ruggedized package with no susceptible sensitive components (vacuum sealed x-ray tubes, x-ray detectors)	✓	
No regulatory headaches or annual licensing fees	✓	
All employees can be users (not just radiation-trained employees)	✓	

ACCESSORIES



Docking Station

Continuously charge the analyzer battery and store in a secure location when not in use.



Holster

You can safely maneuver around the facility and easily withdraw for immediate use.



Li-ion Batteries

Benefit from 10+ hours of continuous operation.



Aluminum & Stainless Checks Sample

Verify that the instrument's calibration is accurate.

WORLD-CLASS SUPPORT

The OA-100S is backed by a global network of sales and services support partners of Ocean Applied, offering installation, preventative maintenance, and prompt service. We have been developing and supporting both laboratory and field equipment for decades and the combination of our expertise and quality of our optical instruments is well known. We're confident we can firmly establish Ocean Applied and the OA-100S as the premier solution for handheld metal identification for industrial applications.

