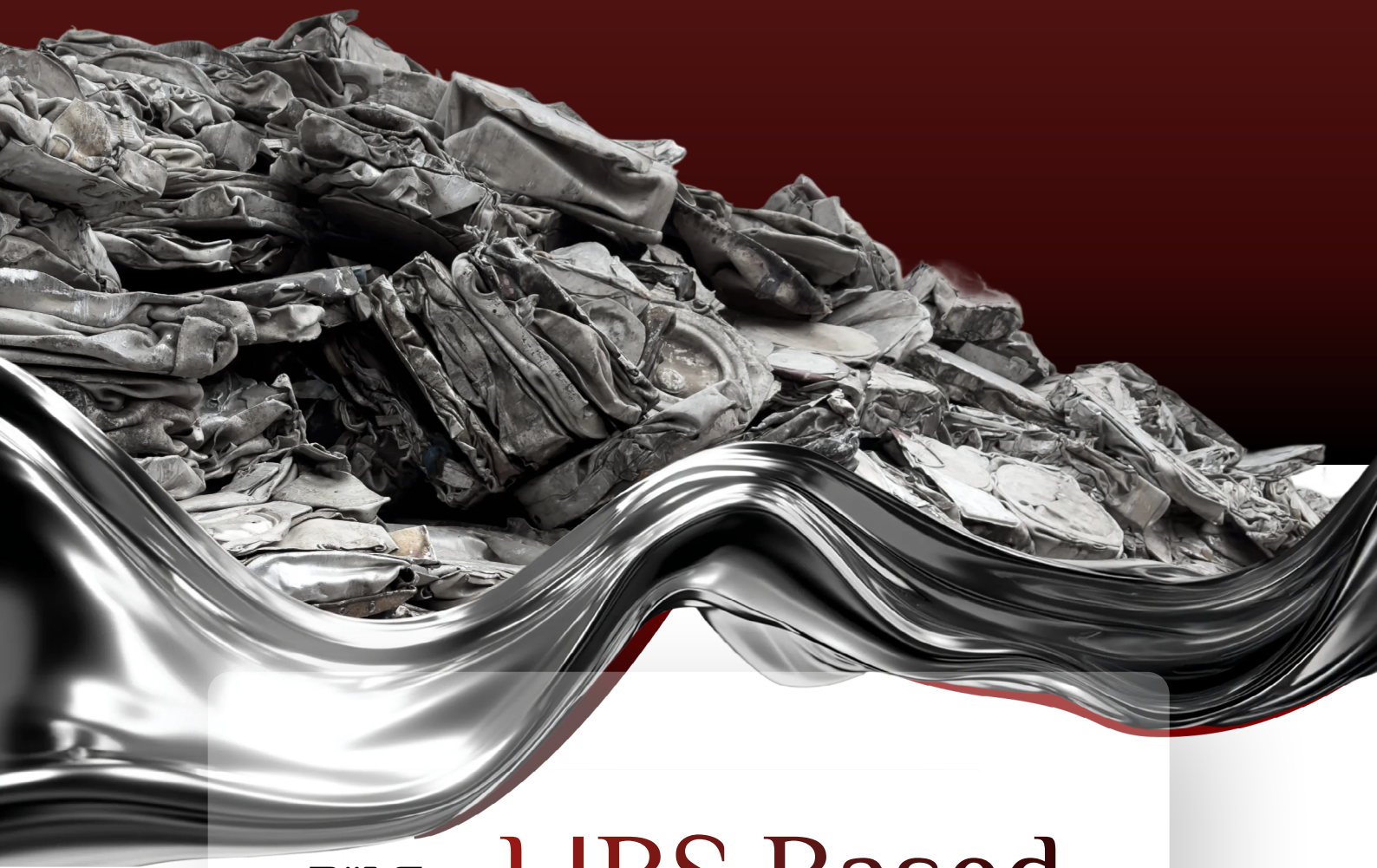




LIBS Based Metal Scrap Sorting

Revolutionizing metal recycling with the most
accurate LIBS technology on the market.

Reach out to us
for your specific request:

austinaeu.com

CHUTE design - with fix position lasers

The unique, worldwide patented chute-type design



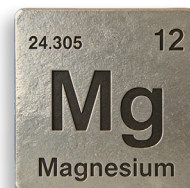
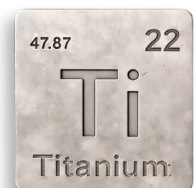
Austin AI LIBS Sensor Sorter has been renewed.

While maintaining our signature symbolic shape and the smallest footprint on the market, the Austin AI LIBS Sensor Sorter has been renewed.

LaS.iQ2

6 T/h
wrought aluminium

> 10 T/h
ZORBA



- 📍 The **new and improved** model, the **LaS.iQ2**, 'Made in EU' has been upgraded with more new functions.
- ✅ **Low operational costs**, low **maintenance**, RoI less than 3 years!
- 🕒 Due to the real chemistry based sorting 'Ready-to-Melt' extracted purity is guaranteed. It ensures **short furnace time** and significant **energy savings**!

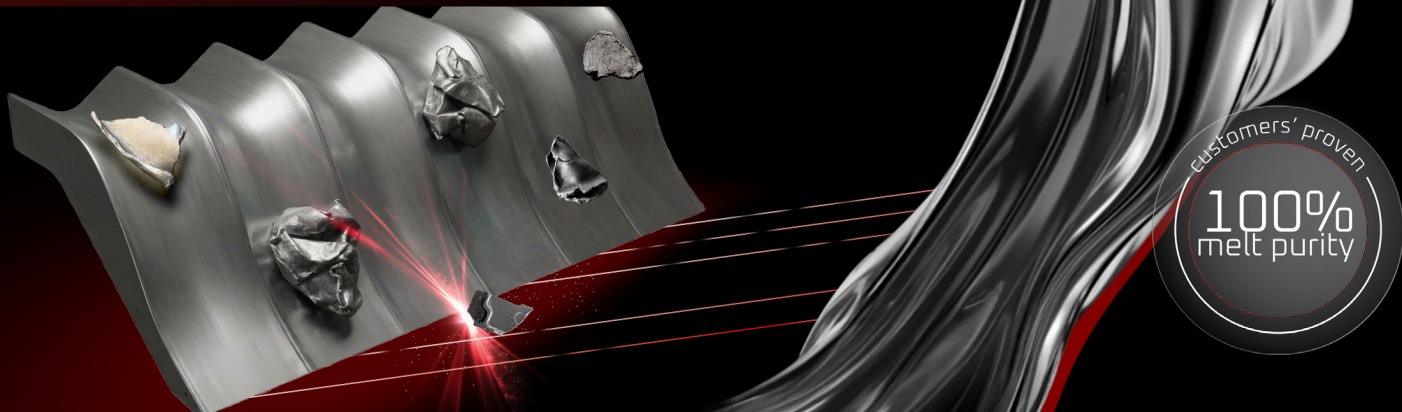
Besides the importance of aluminium sorting, magnesium and titanium alloys can also be sorted. Easily configured for additional alloy types, with most CRM (Critical Raw Materials) also work well.

Thanks to its high flexibility, the sorting criteria can be created freely according to the market needs or the available material to sort.

No limits on the number of elements selected. The element-related concentration can be as low as 0.08% for the most dedicated elements, like Cu, Zn, etc.

Applications

Mixed scrap types require sorting capabilities to allow full circularity bringing scrap back to the original products. LIBS sorting is the link towards sorting mixed scrap grades.



The most common sorting examples

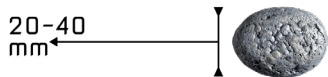
- Automotive scrap: 5xxx/6xxx separation
- Profiles: separate 6063 and 6082 alloys
- Precise 5052 alloy extraction when sorting criteria is about seven elements including chromium @0.15%-0.35%
- Low copper/low iron cast aluminium extraction
- Unique sorting criteria can be set and easily adopted to very complex post-consumer scraps, like Twitch and others.

Further success stories:

- Silver extraction from Zorba
- Zirconium-based sorting out of wrought aluminium scrap
- Nickel-based sorting out of stainless - steel scrap
- ADC12 extraction from mixed cast aluminium scrap

Bottom Ash

Even with pieces as small as 20mm, complex compositions can be handled.



Our LIBS
opens new opportunities
when heavies sorting is needed.

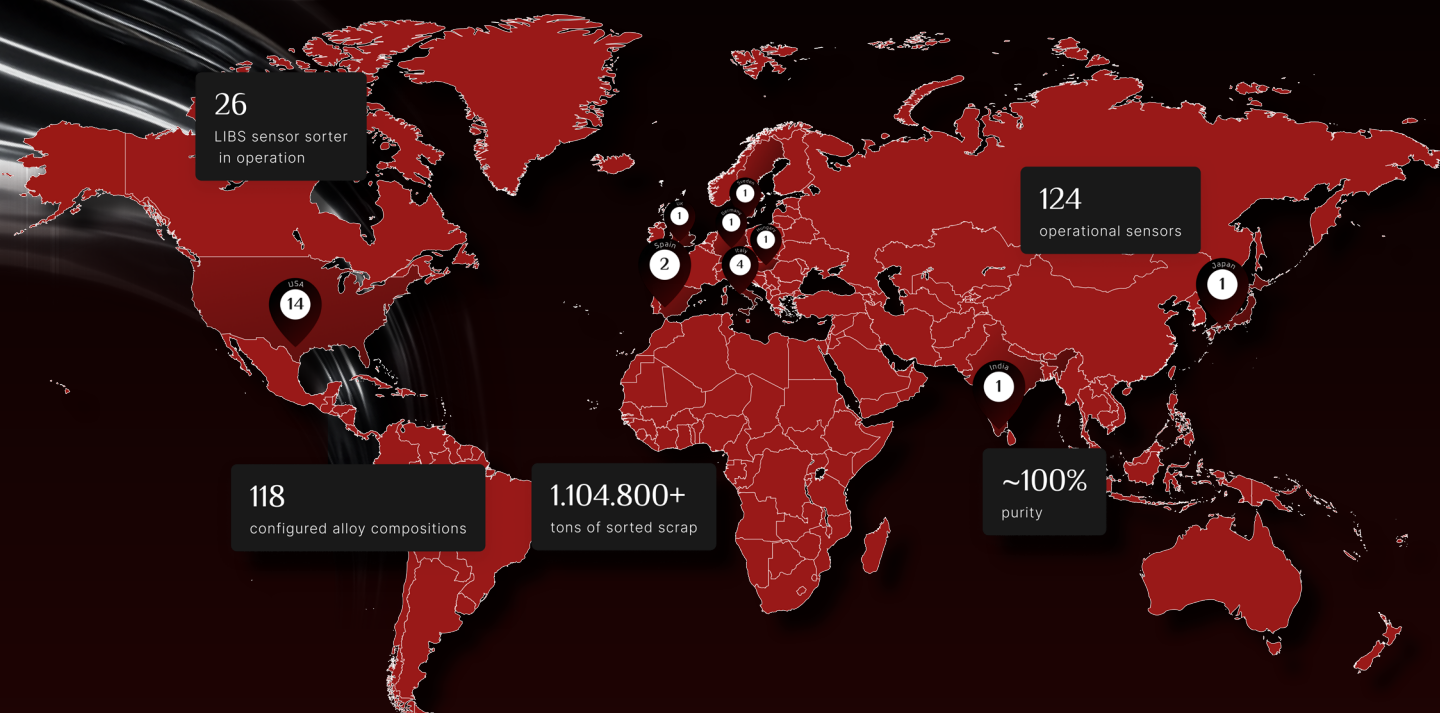
&many
more...



Wheel Sorter

If whole used car wheels are desired to be sorted by alloy type the most common sorting is based on Si content and/or low Fe or low Cu. The system capacity is 10 ton/hour, or even higher.

Around the World



✗ TRADITIONAL PROCESS



Each extra cycle increases energy use, raw materials, and yield loss!

✓ READY TO MELT



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