

ALPHA® Recycling Services



alpha®





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Environmental legislation specifies that certain scrap metal, if not recycled, will be considered hazardous waste and must be disposed of appropriately. Due to these requirements it is now essential for you to have a reliable and efficient recycler.

Alpha offers a safe and efficient recycling service which helps companies to meet their environmental and legislative requirements and at the same time maximise the financial return on their waste streams.

Alpha is also one of the largest manufacturers of electronics assembly materials in the world, creating synergies with the recycling service that provide great value to customers.

Contact your local Alpha partner to learn more about your environmental responsibility for Electronics Waste.

Minimize your environmental liability

- Alpha is certified ISO 14001, ISO 9001, TS 16949, OHSAS 18001 and certified full recycling provider.
- You can visit our facilities and conduct your own audit of our recycling process.
- Alpha has an experienced and dedicated environmental recycling team.
- All shipments are lot traceable and certification can be provided on request.

Alpha Recycling is a global full-service

Offering accurate analysis and the highest possible yield from solder waste using a full range of in-house technologies for recycling.

- Alpha's recycling facilities located in the Netherlands and Hungary increase convenience for customers, enabling logistical costs to be reduced and ensuring regional advice and support is easy to access.
- Global organisation with global services, offering greater financial security.
- Highest financial return to our recycling customers versus our competitors.
- Audit trails help document safe environmental reprocessing of material
- Swift settlements: payment, credit and/or delivery of new bar.

LEAD FREE

Lead-free solders have not only created technological challenges but have increased the cost of materials for assembly companies. Alpha helps customers reduce lead free cost with low silver alloys while maintaining high soldering performance. A further way to offset this cost is with the recycling of your lead-free solder dross.

Alpha is able to recycle the numerous lead-free alloys being used by companies today. With its refining capabilities, Alpha is able to help customers maximize the value of their materials. Lead free waste is not considered hazardous and is therefore easier to transport.



MAXIMISE THE VALUE OF YOUR WASTE MATERIALS

1 Packing

Alpha provides metal recycling bins that are tough, sealable, and disposable.

In order to receive maximum value, all materials must be identified by alloy (SnPb, Lead-Free) and type (paste, dross).

The preferred method is to segregate all materials on separate pallets.



2 Purchase Order

Contact your local Alpha Partner for a purchase order number. Please provide the following information:

- Type of material (Pb-free dross, Sn-Pb paste, etc.)
- Approximate weight of each item



3 Logistics

Alpha and its supply chain partners can support you with the arrangements of logistical processes so that they meet your schedule.



RECYCLING WASTE STREAMS

Wave Solder Dross and Hot Air Solder Level (HASL)

Dross - Oxidized particles that form on the surface of molten metal (solder). This material can be skimmed off and recycled.

Contaminated solder bath - Generated primarily by wave soldering or pre-tinning operations. When metallic impurities in the solder reach the critical level problems such as dull or grainy joints appear, the solder bath is then emptied and refilled with the new solder.

Processed Anodes - Portions of anodes remaining after being consumed in an electroplating operation. Since there is little contamination of the alloy, high metallic return can be expected in the recycling process.

Precious Metals - Alpha has the capability to recycle gold and silver in its state-of-the-art electrolytic refineries.

Circuit Boards - Alpha works with partners that provide environmentally safe and legal recycling processes for both gold-bearing and solder masked-copper boards.

Solder Paste - Paste that has expired shelf life or been removed from the stencil.

Industrial Metals - Other scrap alloys such as tin/bismuth can also be recycled. Alpha can recycle a wide range of alloys. Please contact your local Alpha partner for a quote.



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