

SOLDER RECLAIM PROGRAM

...state-of-the-art recycling

Key Benefits

- **SIMPLE and EASY**—detailed instructions tell you exactly what you need to do
- **VALUE-ADDED PROCESS**—complements complete line of solder products and services
- **SAFE FOR THE ENVIRONMENT**—environmentally conscious, electrolytic recycling of your used solder into usable solder that is as pure as, or more pure than, virgin metal

Overview

Indium Corporation's solder reclaim program uses state-of-the-art electrolytic recycle processes that removes both organic and metallic impurities from contaminated tin-lead and lead-free solder and solder dross.

Assured Recycling

If you are a solder user with regular dross generation, you can take advantage of Indium Corporation's assured and documented solder recycling. We will:

- Take delivery of your collected solder dross and contaminated solder
- Assay the material
- Pay you for the value of the dross and contaminated metal
- Send you a certificate confirming that the metal was properly recycled and not put in a landfill

Acceptable materials for recycle:

- Tin-lead and lead-free soft solder and solder dross containing major components of tin, lead, silver, and copper with virtually any minor metal contaminants
- Unopened jars of solder paste
- Other soft solder alloys that contain greater than 1% bismuth, zinc, cadmium, or other metals "may" be acceptable but must be evaluated on a case-by-case basis; if the solder is known to contain these other metals then the solder or dross should be segregated from normal solder and dross

*Indium Corporation can help make arrangements with a licensed waste handler to take back large quantities of used solder paste jars and wipes. Because we cannot accept this waste in our facility, you must ship the waste jars and wipes directly to the third party waste handler, who will then reclaim the metal and plastic from the jars and wipes.



Unacceptable materials*:

- Opened and waste solder paste jars
- Wipes contaminated with solder paste
- Dross contaminated with large amounts of oil or other organic materials
- Electronic scrap (non-solder related recycle material)

Assured Recycling Pricing

With Assured Recycling, Indium Corporation purchases the material outright. The value of the material to be recycled is determined based on an assay that we perform upon receipt of the metal. Since solder dross generally includes both non-metallic oxygen (as metal oxide) and a small amount of organics from flux, both the metallic content, as a percentage of total weight, and the metallic components must be analyzed.

- Dross with a higher percentage of metal is worth more than dross where the metal has been squeezed out
- Dross that has a reclaimable amount of silver or gold is worth more than drosses that do not contain precious metals
- Although Indium Corporation will pay for reclaimable precious metals, we cannot pay published market price because we must involve a secondary reclaim company that specializes in precious metals reclaim

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General Logistics

You may use your own sealed dross containers, containers supplied by another solder reclaim company, or an Indium Corporation-supplied container. For quantities of 500 lbs. or more, Indium Corporation will pay the incoming freight to our facility in Elk Grove Village, Illinois, USA.

Instructions for Shipping Contaminated Solder and Solder Dross

1. Make sure all containers are sealed to prevent leakage or spills. Can lids must be secured.
2. Identify your company and the material on the packing slip.
3. Containers must be labeled with the Indium Corporation-supplied or comparable labels. Examples of proper labels can be found at www.indium.com/reclaim-and-recycle/solders.
4. Material must be banded and wrapped securely on a pallet.
5. For shipments of 500 lbs. or more, Indium Corporation will pay the freight. Send the shipment "freight collect," note Third Party Billing to Indium Corporation c/o Transportation Insight, PO Box 23000, Hickory, NC 28603 and use one of the following specified carriers:

Attach the Indium Corporation-supplied labels only after the material in the cans has cooled to room temperature.

Companies located in the southern states, including Texas, Louisiana, Mississippi, Alabama, Georgia, South Carolina, and Florida should use AAA Cooper Transportation @ 888-547-3887.

All other states should use Old Dominion @ 800-611-6335.

Destination:

Indium Corporation
80 Scott Street
Elk Grove Village, IL 60007
Attn: Solder Recycle
Phone: 847-439-9135

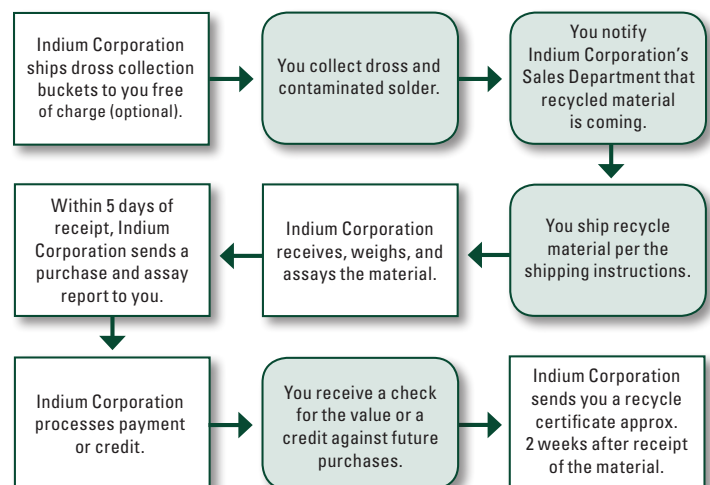
6. If you are shipping 1,000 lbs. or more of lead-containing material, then the trucking company will need a #9 placard for the truck. Most truckers have these available; however, we will supply them at no cost if you need them.

Indium Corporation has been refining and purifying minor metals for over 40 years. We provide you with a cost-effective, legal, and safe way to recycle solder dross and contaminated solder. In return, you receive a recycle certificate guaranteeing that the metal was recycled and not put into a landfill, plus you receive value for the metal in the form of a credit or payment.

NOTE:

We CANNOT accept empty solder containers, rags, wipes, etc. If the shipment contains these items, the shipment will be refused at the dock, and the entire shipment will be returned at your expense.

Assured Recycle Flow Chart:



Using Shipping Containers

- Use green buckets for lead-free.
- Use black buckets for tin-lead.
- Include a maximum of 75 lbs. of material per bucket.
- To avoid destroying the labels, apply labels to the side of the buckets after the buckets are full and are at room temperature.
- Seal buckets tightly to avoid accidentally spilling material.

For more information about Indium Corporation's Solder Reclaim Program, visit our website at: www.indium.com/reclaim-and-recycle/solders

From One Engineer To Another®

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