



PHIPPS COMPANY



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Sales Representative for:



**SANWA CORPORATION**  
*ALUMINUM RECOVERY SYSTEMS*

**The Sanwa ARS (aluminum recovery system) can provide 90% aluminum Recovery Rate from Dross  
- and -  
Deliver a Rapid Return on Investment!**



The Complete ARS System

**Step One**

**Stir the Dross, Don't Press it**

- Hot Dross is skimmed from furnace to specially designed Dross Pots and moved to the ARS system.
- The Hot Dross is stirred in the Pot to release up to 90% of the aluminum content.
- This; of course, drains into a sow mold and can be recharged to the furnace.

**Step Two**

**Transfer Hot Dross to Super Cooler**

- The Dross Pot is inverted and hot dross residue is sent to the rotary cooler.
- Temperature is reduced to 50° C or 122° F.
- This minimizes oxidation of the residual aluminum content and allows screening.

**Step Three**

**Classify the Dross Residue**

- The Classifier separates the residue into fine, medium, and coarse grain material.

**Benefits**

- Step One alone provides a very fast ROI
- Step Two cools for easy handling and screening.
- Step Three gives you products such as de-ox that can be sold to steel melters, pavement additives for asphalt manufacturers, and cement additives for the cement plants.
- It is possible you could eliminate Land Fill Disposal!
- An Advanced PLC system controls the process.
- A Dust Collector assures clean environment.
- There are several Models to fit your volume – from 150kg to 1050kg per batch.
- Process cycles are only 10 minutes or so.
- The system is a one man operation.
- We believe this system far out-performs dross presses or rotary melters. And there is no doubt you will benefit economically over dross processors who buy or toll your dross now.

**What To Do**

- Please provide your basic furnace cycles, dross generation volume, etc. so we can provide you a budgetary quotation followed by a visit to your Plant then a develop firm proposal.

**There are 100's of installations in Japan and Asia. We are now bringing this technology to North America under exclusive license.**