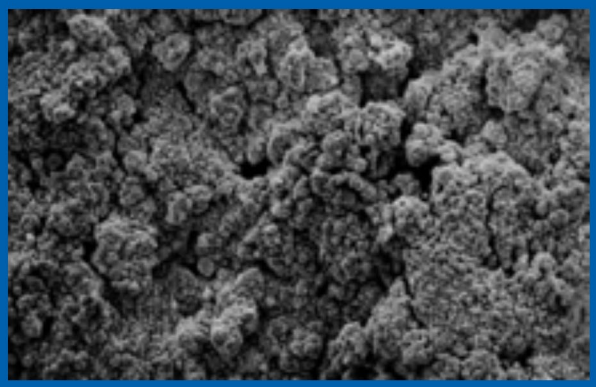
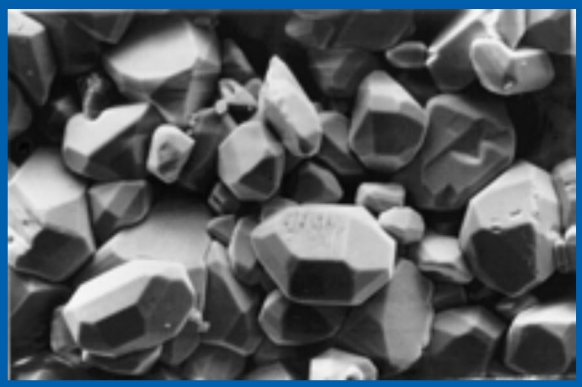
Environmental Benefits of Using the Canadus HD-1224

The HD-1224 is an innovative and patented electronic device that extends the life and improves the performance of lead-acid batteries. The device uses "High-Frequency Battery Desulfation" technology to keep battery plates free from the formation of large lead sulfate crystals (pictured below). These crystals impede the passage of electricity through batteries, making it more difficult to maintain a full charge, and can also cause irreversible physical damage if left unchecked for long periods of time, similar to the way that cholesterol can build up on artery walls and clog them over time, restricting blood flow. The result; significantly longer battery life, and improved battery performance during that time.



New Battery Plate (Magnified 500x)



Large Lead Sulfate Crystals (Magnified 500x)

Keeping batteries healthy also gives us the opportunity to dramatically help our environment by saving natural resources, reducing pollution, and improving our carbon footprint.

In the US, when lead acid batteries die, 96% are recycled to make new batteries in secondary smelters. Lead from recycled batteries only supply about 50% of the lead needed to make new batteries, the balance coming from primary mining, smelting and refining of lead-sulfide ores. While battery recycling uses about half the energy than lead produced from ores, both processes have a significant negative impact on our environment. With a new 12-volt battery containing 24-lbs of lead on average, consider the following environmental benefits that result from doubling the life of a single battery by using a Canadus HD-1224 battery desulfator.

- Conservation of natural resources: **24 fewer pounds of lead will be consumed**
- Less disruption of virgin land caused by mining activities: **1,000 fewer pounds of land will be disturbed**
- Energy resources conserved: **17 pounds of fossil fuel will be saved**
- Reduction in carbon footprint: **46 fewer pounds of carbon dioxide will be generated**

WWW.CANADUS.COM / 216-831-6600 / INFO@CANADUS.COM
9261 RAVENNA ROAD, SUITE B-12 TWINSBURG, OHIO 44087