

Pow-R-Surge
BATTERIES

Deka

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East Penn
CANADA

East Penn Manufacturing and East Penn Canada

are committed to the highest standards for environmental health and safety through our state-of-the-art recycle facilities and company-wide dedication to the safe recycling of lead acid batteries. East Penn Manufacturing recycles batteries in an environmentally-friendly manner at their on-site EPA approved smelter/refinery and re-uses them in the production of new battery products.

East Penn Canada is fully licensed for the pickup and transportation of spent lead acid batteries and you can rest assured that no used battery picked up by any of our authorized company vehicles will ever end up in a land fill site. Recycling your batteries through East Penn Canada will also eliminate any risk of low priced rebuilds entering your local market.



BATTERY RECYCLE PROGRAM



Virtually 100% of a lead acid battery is recycled and re-used in the production of new batteries

- ▶ Our secondary lead smelter is state-of-the-art and has been designated by the EPA as a model site for the lead recycling industry.
- ▶ Our closed loop system is automated and computer-controlled, with no hazardous emissions.
- ▶ East Penn holds the exclusive patents to a unique acid reclamation process, which allows us to re-use millions of gallons of clean, reclaimed acid in our new batteries and avoid potentially hazardous acid disposal.
- ▶ Spent lead acid batteries are fed into a massive battery breaker which separates the used lead, plastic and acid.
- ▶ Lead is smelted, refined and used in the production of new batteries.
- ▶ Plastic is shredded, cleaned and re-used for battery cases, covers and other plastic parts.
- ▶ Industrial waste water is chemically treated and purified for re-use in our battery acid mixing process and production facility.
- ▶ Sulfur fumes trapped during lead smelting are processed into liquid fertilizer and sold to fertilizer manufacturers.
- ▶ Heat from the furnaces are used to warm our buildings.



Scrap lead-acid batteries are disassembled in a ventilated battery breaker, where the lead, plastic and acid are safely separated.



The lead is processed and smelted in the reverberatory furnace, producing metal which goes to the refinery. There it is placed in kettles, combined with reagents, and alloyed into lead for use in new batteries.

The recycled plastic from the battery cases and tops is reclaimed in the plastic recovery plant, where it is cleaned and separated into polypropylene and lead-bearing materials. Polypropylene is recycled to make cases and covers for new batteries and other plastic products.



Battery acid is recycled in a patented acid reclamation plant. This one-of-a-kind, computer-controlled facility allows recycling of used battery acid for use in the production of new batteries.

