



Recover Lead and Value

Pyrotek's vertical-loading MZR750-VL lead-recovery system

Ever-increasing environmental regulations around the world have created a need for new technologies to recover metal and manage process waste. To meet this challenge, Pyrotek offers a proprietary lead-recovery system designed to process dross from lead melting furnaces and recover viable, reusable metal. The system is designed and built for dross volume producers such as battery manufacturers, anode and strip producers, and secondary metal refiners.

Pyrotek's vertical-loading MZR750-VL lead-recovery system features increased process efficiency, easier drum loading and unloading, and improved worker safety.

Benefits:

- Reduced volume of virgin lead bought at market rates
- Smaller environmental footprint
- Reduced volume of residual skimmings being disposed
- Low operational costs
- Easier to use than other systems on the market, with greater ease in loading the drum
- Specially designed lids to minimize the escape of lead dust



Unit Drum Capacity:

- 750 kg (1650 lb) of lead skimmings

Operational Costs:

- Gas: 20 m³ (700 ft³) per burn
- Optional light oil: approximately 30 dm³ (1 ft³) per burn

Labour:

- 20 minutes per burn
- Average cycle time for 750 kg (1650 lb) charge is three hours

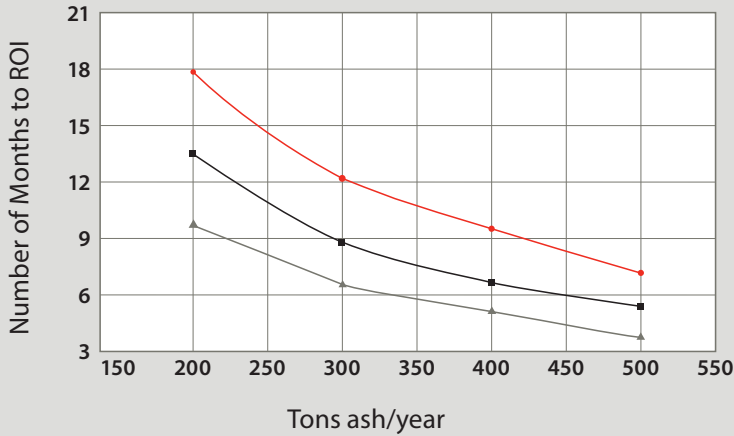
Drum Life:

- 300 cycles, depending on wear



With the Pyrotek MLR750-VL lead-recovery system, a lead-acid battery operation can yield a return on investment in nine months, given that the plant processes 300 tonnes of dross per year and the London Metals Exchange (LME) lead price is USD\$2000.

Pyrotek MLR750-VL Lead Recovery System Return on Investment



Conditions

Lead Battery Operation
60% MLR Lead Recovery
40% LME Lead Trader Offer
25% LME Residue Value

Payback

—●— Pb LME USD\$1500
—■— Pb LME USD\$2000
—▲— Pb LME USD\$2500



Why Pyrotek?

Our global network of application engineers works with lead-acid battery producers and others to determine the optimum in-house dross processing equipment and related products to suit their needs.

Founded in 1956, Pyrotek offers expertise in high-temperature applications with global resources and local support in more than 30 countries.

