



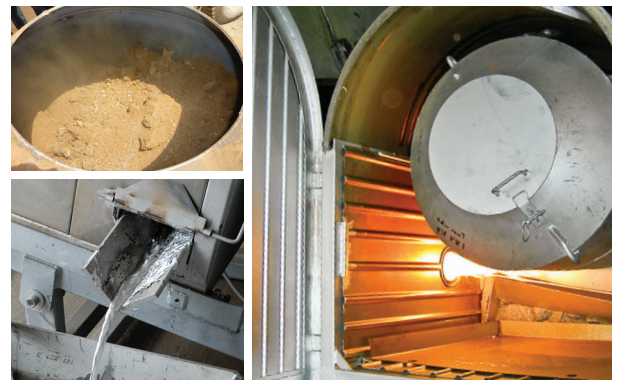
# Recover Zinc and Value

## Pyrotek Zinc-recovery System MZR-750

Ever-increasing environmental regulations and fluctuating prices of virgin zinc 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 zinc-recovery system that is designed to process dross and recover viable metal that can be reused in a primary zinc, continuous galvanizing or hot-dip galvanizing operation. Also, zinc-oxide residues can be sold on the market.

### Benefits:

- Reduction in the volume of virgin zinc bought at market rates
- Smaller environmental footprint
- Reduced volume of residual skimmings being disposed
- Increased value of zinc-oxide residual skimmings that can be sold
- Low operational cost
- Recognized technology by the European Commission's Integrated Pollution Prevention and Control Directive
- Easier to use than other systems on the market, with greater ease in loading the drum



### Unit Drum Capacity:

- 750 kg (1650 lb) of zinc skimmings

### Operational Costs:

- Gas: 20 m<sup>3</sup> (700 ft<sup>3</sup>) per burn
- Optional light oil: approximately 30 dm<sup>3</sup> (1 ft<sup>3</sup>) per burn

### Labour:

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

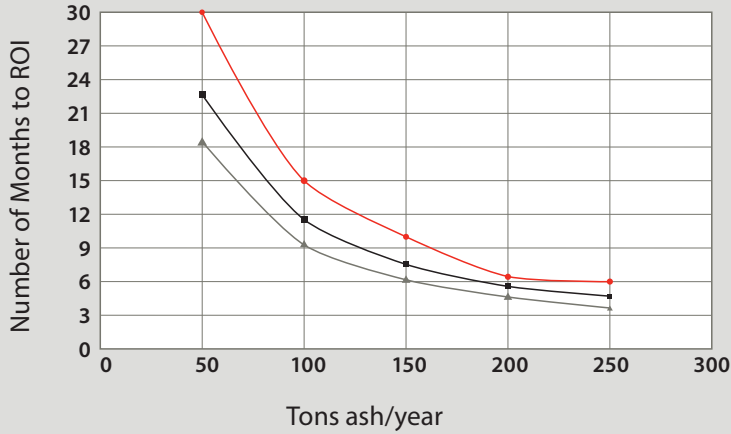
### Drum Life:

- 200 cycles depending on wear



With the Pyrotek MZR-750 zinc recovery system, a hot-dip galvanizing operation can yield a return on investment in eight months, given that the plant processes 150 tonnes of ash per year and the London Metals Exchange zinc price is USD\$2800.

## Pyrotek MZR-750 Zinc Recovery System Return on Investment



### Conditions

Hot-dip Galvanizing Operation	ROI @ Zn LME USD\$2200
65% MZR Zinc Recovery	ROI @ Zn LME USD\$2800
55% LME Zinc Trader Offer	ROI @ Zn LME USD\$3400
25% LME Residue Value	



## Why Pyrotek?

Our global network of application engineers works with zinc producers and galvanizers 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.

