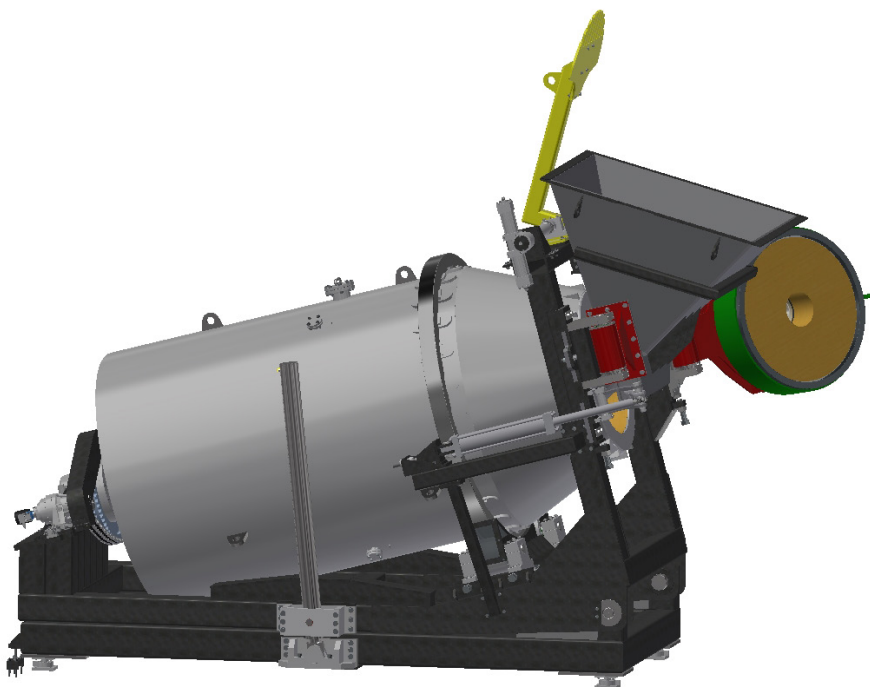


## DROSRITE™

### *Maximizing aluminum recovery salt-free.*

- 0.5-10 MT (customizable)
- > 10% higher in aluminum recovery than salt rotary furnaces
- > 20% decrease in residue generation
- Non-toxic by-product which can be recycled
- Non-toxic emissions
- No integrated burner required → no fossil fuels
- Quick payback
- Simple operational process requiring minimal operators



**SALT-FREE**

**INCREASED ALUMINUM  
RECOVERY**

**IN SITU OPERATION**

**BURNER-FREE OPERATION**

**NON TOXIC RESIDUE**

**MINIMAL RESIDUE**

**COST EFFECTIVE**

**MINIMAL MANPOWER**

**TREATS BLACK & WHITE  
DROSS**

**TREATS HOT & COLD DROSS**

### **Customers include:**

**Aluminum and Zinc Smelters**

**Parts Manufacturers**

**Recyclers**

For more information, please contact:

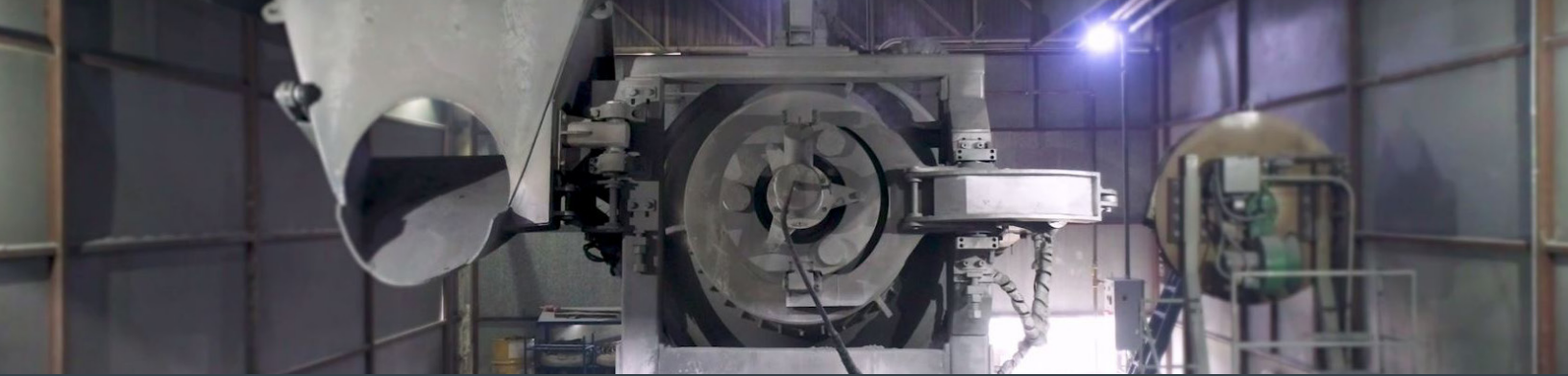
**Business Development Department  
PyroGenesis Canada Inc.**

[plasma@pyrogenesis.com](mailto:plasma@pyrogenesis.com)

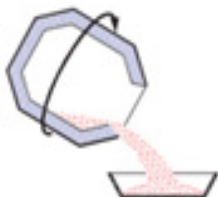
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## *Proven technology*



DROSRITE™ is a batch process where hot or cold dross is charged into an argon-filled tilting rotary furnace which quenches any oxidation or thermite reaction. The furnace is rotated to separate the metallic aluminum from the oxides and/or non-metallic phase. 98% of the molten metal is tapped and returned to the holding furnace while a controlled amount of oxygen is introduced into the DROSRITE™ furnace. The exothermic reaction between the oxygen and the 2% remaining metallic aluminum heats up the DROSRITE™ furnace, preparing it for the next charge.

### **DROSRITE™ FEATURES:**

- Quick furnace charging
- Quick residue discharge with minimal cleaning
- Variable rotational speed
- Variable furnace angle (even during operation)
- Quick start-up and shut-down



***PyroGenesis Canada Inc. is a world-renowned high-tech company operating in the field of high temperature processing of materials and waste, which counts the US Navy and the US Air Force amongst its discerning client base.***



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