



# metallix

## THERMAL REDUCTION DEPARTMENT

A PRECIOUS METALS  
RECYCLING COMPANY

# THERMAL REDUCTION PROCESS

The Metallix precious metals recycling facility is located on a 27-acre site in Greenville, North Carolina. This 140,000 square-foot processing plant has the industry's most advanced technology and methodology to maximize efficiency and value.

Most precious metal bearing materials need to be processed in our thermal reduction department to reduce organics surrounding the material and decrease moisture, resulting in a precious metal bearing scrap that is sent to one of our other departments for further upgrading.

The Metallix Team has a wealth of industry knowledge and are here to guide you through the process of developing a precious metals recycling plan that aligns with your business goals, forming a partnership for lasting success.

- ISO9001:2015 certified quality management system at the Greenville, NC, processing facility
- ISO14001:2015 certified environmental system at the Greenville, NC, processing facility
- ITAR Compliance
- Conflict Minerals Compliance 3T/G
- AML Regulated (Anti Money Laundering)
- Analytical Lab
- 24/7 Secure Access Site
- Bank Wire or Metal Transfer
- Global Logistics



To find out more about the services Metallix can provide please contact us at [sales@metallix.com](mailto:sales@metallix.com)



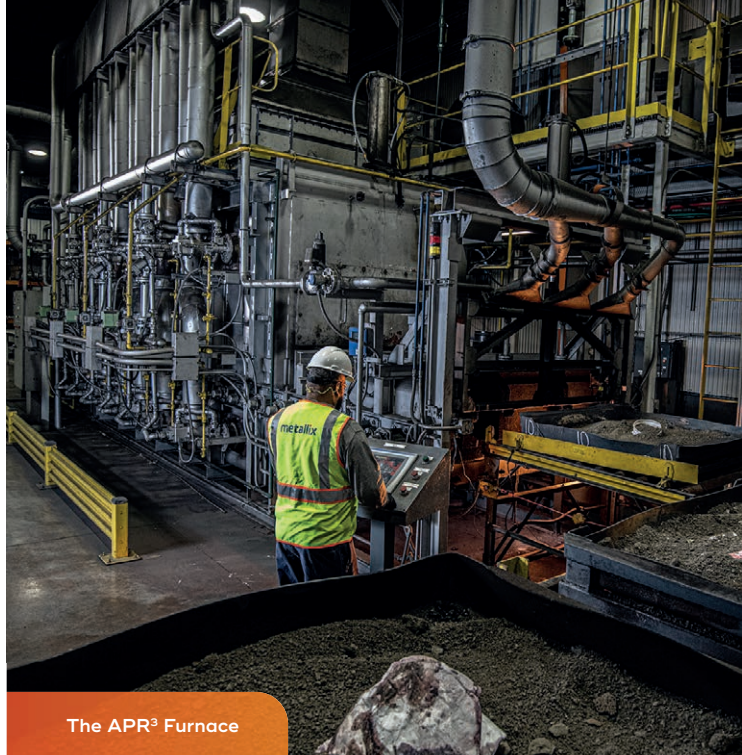
We can efficiently process a diverse range of precious metal bearing materials



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The APR<sup>3</sup> Furnace

## THE APR<sup>3</sup> FURNACE

Proprietarily designed, the APR<sup>3</sup> Furnace has an automated continuous feed. Each material lot is processed using a unique recipe under controlled combustion determined by the physical characteristics of the material treated. This turbulent free environment minimizes precious metal losses, increasing the value of the material.

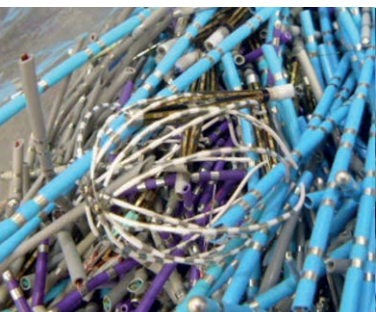


The TR1 Furnace

## TR1 & TR2

The TR1 and TR2 are box atmosphere furnaces designed to accommodate large scale or bulk materials, or materials that require processing at a slower rate. As with the APR, all materials processed are reviewed and physical characteristics analyzed to determine customized thermal reduction formulas. These very specific conditions optimize precious metal values.

The APR<sup>3</sup>, TR1 and TR2 thermal reduction process create a precious metal bearing ash. This ash is sent to the Mechanical Reduction, Melt Department or Wet Chemistry Department for further upgrading.



We can efficiently process a diverse range of precious metal bearing materials



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## THERMAL REDUCTION DEPARTMENT

### New Jersey Headquarters

Metallix Refining Inc.  
59 Avenue at the Common,  
Suite 201,  
Shrewsbury, NJ 07702  
USA

### Maxton Processing Facility

Metallix Refining Inc.  
17182 Airport Road  
Maxton, NC 28364  
USA

### Precious Metals Refinery

Metallix Refining Inc.  
251 Industrial Blvd.  
Greenville, NC 27834  
USA

### Metallix Refining Europe Ltd.

The Old Builders Yard,  
Wentworth Village,  
Rotherham, S62 7SB  
UK

### Metallix Refining Asia Ltd.

69 Nonhyeongojan-ro, 54 beon-gil,  
Namdong-gu, Incheon 21682  
Republic of Korea

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