

Precious Metal Recovery in e-Waste Recycling using Tetronics' Plasma System

Tetronics e-Waste Benefits:

Complete gasification of the plastic and other organic components, which greatly reduces the mass and volume of the waste stream, and avoidance of the reformation of Persistent Organic Pollutants (POPs)

Recovery of metals including Precious Metals e.g. Au, Ag, Pd

Robust technology that is tolerant of a challenging chemical environment, e.g. Chlorine

Encapsulation of any hazardous metallic species within the Plasmarok® phase

Higher technical recovery rates than competing technologies: >99% for Cu, Au and Ag, typically ≥98% for Pt and Pd

Lower capital and operating costs than competing technologies

An intensive, compact process plant package that can be readily retrofitted adjacent to existing installations

Control of power input independently of process chemistry

Rapid Precious Metal returns

Process applicable to a range of different Precious Metal waste streams

Environmentally compliant closed loop recycling (extremely low air-borne emissions)

