Plasma Melting Decomposition Method (PMD)

Ballasts in a drum

Exhaust gas treatment equipment

Cooling water

Plasma gas

Power unit

Plasma control panel

Pusher

Drums, pails

Local ventilation

Molten slag bath 1400°C and over

Slag

Exhaust gas

Exhaust gas treatment equipment

Online Monitoring Device

PCB, NOx, SOx, HCl, CO, O2, Dust

Melting state inside plasma melting furnace

Irradiation of plasma arc (15000°C and over) melts down and decomposes the drums or pails together with the PCB wastes included.

Cooled Slag

Plasma melting furnace