Experts in Environmentally Sound Technologies for

Environmentally Sound Technologies for Lead Acid Battery Recycling Battery Crushing & Separation Systems / Ingot Casting Machines Litharge / Red Lead Furnaces · Lead Oxide Ball Mills · Barton Pot Systems Lead Based PVC Stabilizers · Pollution / Environment Control Equipment

Litharge

Litharge manufactured on ACS Litharge furnaces is suitable for use in Stabilizers, Batteries, Glass, Ceramics and specialty chemicals. The feed material to the litharge furnace is the output from the Barton Oxide System.

OPERATION

Litharge manufacturing is a batch process. The Furnace is pre-heated to $575-600\,^{\circ}\text{C}$ by a gas/oil fired burner. Lead Oxide is metered and fed into the furnace. The material is mixed and agitated inside the furnace. The temperature is maintained between $575-600\,^{\circ}\text{C}$ throughout the reaction. The reaction is exothermic, hence less fuel is used to maintain the temperature.

During the reaction negative draft is maintained inside the furnace. The air sucked passes through a bag house before being let into the atmosphere. The negative draft also helps in supplying fresh oxygen to the furnace. This ensures litharge with less than 0.05% of metallic lead.

Litharge from the furnace is fed to a crusher to break the agglomerates. This crushing takes place at 600 °C. After crushing, the litharge is stored in silos with cooling arrangement.



REACTION CONTROL

Temperature:

Temperature in the furnace is sensed by thermocouples and accordingly and the burner is put ON/OFF.

OTHER FEATURES

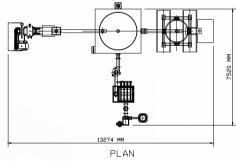
Fully automatic with PLC based controlled system.
Touch Screen based interfaced
One Button Start/Stop

Production Rate:

Model	Capacity	
ACS/LTH/1T	8000 Kg/24Hrs	
ACS/LTH/1.5T	10000 Kg/24Hrs	

Litharge Specifications:

OXIDE SPECIFICATIONS	UNIT	RANGE
Total PbO	%	>99.5
Free LEAD	%	0.01 - 0.1
Insoluble in acetic acid	%	0.01 - 0.1
Red Lead content	%	<0.05%



LITHARGE FURNACE

