

Contribution through Engineering



Daido Steel has developed the core technology of melting and combustion associated with electric arc furnace in many years. Integrating these technologies with engineering capability for steel-making equipment, Daido Steel provides an advanced plant engineering service and state-of-the-art steel-making/environmental equipment which contribute to the reduction of environmental impact.

Waste treatment equipment

Municipal solid waste incinerated ash melting system

Ash melting system by oxy-fuel burner

Heat decomposing gas system

Metal bearing wastes recycling system

Electric arc furnace dust recycling system

Sewage sludge melting system

Sewage sludge carbonizing system

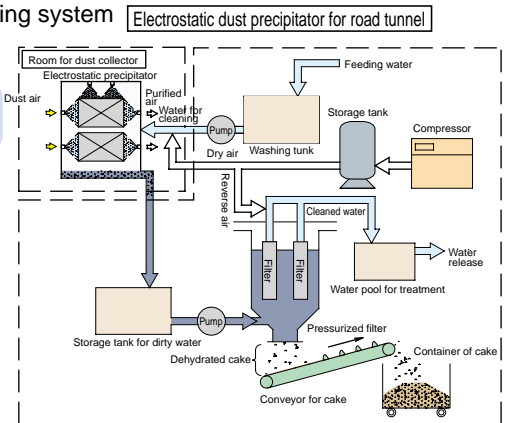
Electrostatic dust precipitator for

Air pollution cleaning equipment

Dust collecting equipment for road tunnel

Electrostatic precipitator for road tunnel

Bag filter type dust collecting system



Water treatment equipment

Electro magnetic filter

Circulating water treatment equipment for steel making

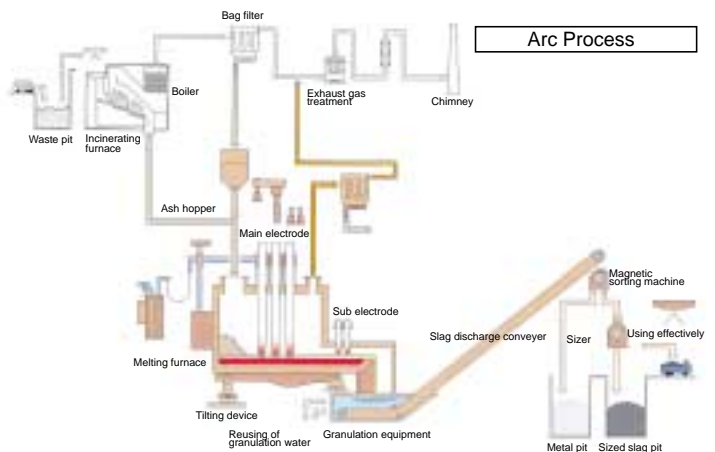
Wastewater treatment equipment for high density Hydrazine

Sewage treatment equipment

Domestic wastewater treatment equipment

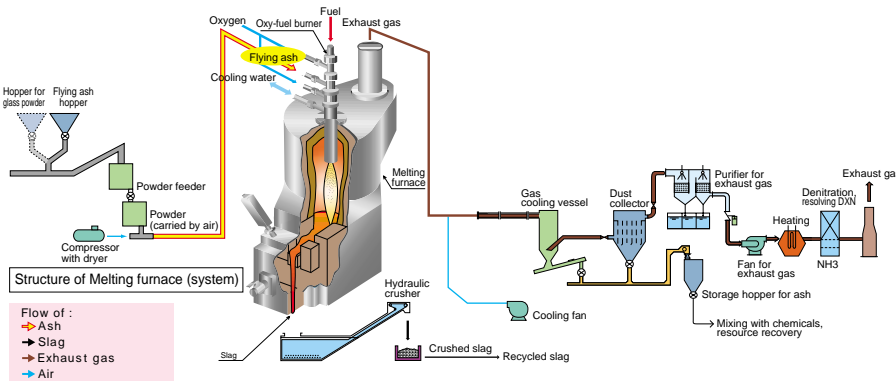
Landfill refuse leachate treatment equipment

Daido Arc Process : DAP



Ash melting system by oxy-fuel burner

Ash melting system by oxy-fuel burner



There are many electric ash melting system designed / built / operated by Daido Steel. By taking the advantage of our long experience of equipment development, we have developed new ash melting system by oxy-fuel burner to melt ash of incineration.

Ash is fed into high temperature flame of oxy-fuel burner, melted instantly and become slag. Dioxins

can be resolved effectively. The slag is not toxic and spout out continuously. This system is applicable to the incinerating plant without power generator from dust, because it utilize oxygen for melting.

This technology is certified to be support further development by Japan Waste Research Foundation.

The first plant was built in Tokunoshima (Kagoshima Pref.) and it started operation in May of 2003.

tunnel

Road tunnels are required to be ventilated for safe and comfortable environment for driver. Gas is released out of tunnels after removing dust which are contained in exhaust gas of automobile. Daido Steel has been a leading supplier of the filter type dust collecting system for road tunnel. The demand to the effective electrostatic dust precipitator is increasing.

In this respect, we have developed electrostatic precipitator since 1995 based on our technology of dust collector for incinerator.

The first order is for Myohoji Ventilator of Hanshin Highway, and operation was started in June, 2003.

List of "DAP" in Japan

	Place	Capacity
1	Clean Association of TOKYO 23 Ota No.2 Refuse Incineration Plant	250t/d × 2furnaces
2	Saitama City Western Environment Center	75t/d × 1furnace
3	Resource and Environment United-cities of Saitama East	80t/d × 2furnaces
4	Tamagawa Sanitation Association	25t/d × 2furnaces
5	Utsunomiya City	40t/d × 1furnace
6	Tikusei Larger Area for Municipal Cooperation	31t/d × 1furnace
7	Clean Association of TOKYO 23 Itabashi Incineration Plant	90t/d × 2furnaces
8	Kure City	33t/d × 2furnaces
9	Tokorozawa City	30t/d × 2furnaces
(10)	Kashiwa City	23t/d × 2furnaces