



## HOT ALUMINUM DROSS PROCESSING MACHIN (ALUMINM RECOVERY SYSTEM)

Foshan Metech Aluminum Technology Co., LTD

**Office address:** 2<sup>nd</sup> Floor, E1 building , Jiulong hardware&stainless steel trade centre, Dali town, Nanhai districtng, Foshan, Guangdong,China

**Factory address:** Matang magnetic industry park, Yueyang, Hunan,China

**Main products:** Aluminum Melting Furnaces, Aluminum Holding Furnaces, industrial furnaces, continuous casting and rolling machines, permanent magnetic stirrer, coal gas generator, aluminum dross processing machines etc. aluminum industry equipments

Tel: 86-757-81020128

Mobile: 86-18664280343

MSN: [fsmetech@hotmail.com](mailto:fsmetech@hotmail.com)

Fax: 86-757-81020129

Website: [www.cnmetech.cc](http://www.cnmetech.cc)

SKYPE: metech-michael



**Hot Aluminium Dross Processing Machine (Aluminum Recovery System)**  
Recover Aluminium, Reuse residual dross, Reduce waste material

The worldwide aluminium industry produces nearly millions tonnes of furnace waste (hot aluminum dross) each year. Known as dross, the residual waste material is produced from any process in which aluminium is melted, and is left behind after conventional recycling has been carried out.

However, dross is not a waste. Apart from oxides, dross is largely free aluminium (up to 80 percent by weight) making it a valuable commodity. This dross contains about 50% aluminium metal or more, but to collect the aluminium metal from the dross is a key challenge yet a necessity in saving resources, reducing costs and improving a firm's profit ratio.

The traditional dross processing technique involves the use of large quantities of salt to separate the aluminium from the oxides, but the salt remains trapped in the residue. Disposal of this residue in a landfill can create problems because the salt leaches out into the surrounding soil. The salt can be removed from the residue, but the process involves significant expense.

**FOSHAN METECH ALUMINUM TECHNOLOGY CO.,LTD** recently developed and patented an advanced technique for retrieving the aluminium from the material. It even allows full recovery and easy valorization of the non-metallic part of the dross. The new Hot Aluminium Dross Processing Machine (Aluminum recovery system) with advanced treatment method makes it economically viable to process the residual waste left after conventional recycling, offering cost saving and environmental benefits.



## **The advantages of the Hot Aluminum Dross Processing Machine ( Aluminum Recovery System):**

1. The Hot Aluminum Dross Processing Machine (Aluminium Recovery System) can reclaim more than 90% of the aluminium metal from the dross and significantly improve the aluminium collection ratio, when compared with conventional methods, The great advantage of this system is based all in its remarkable aluminium reclamation ratio, which in turn provides a quick Return on Investment soon after its installation.
2. Its unique design offers excellent operability and high durability. According to actual users, both domestic and abroad, the system has yet to malfunction, which attests its reputation for long-lasting, efficient operation.
3. The Aluminum Recovery System processes and recovers metal at high-speed and extracts the aluminium with only a few minutes needed for each processing cycle. Material costs are significantly decreased
4. The Hot Aluminum Dross Processing Machine (Aluminium Recovery System) is equipped with dust collector unit, which collects the dross waste while it is in the thermal dross processing/aluminium recovery stage. This prevents any harmful impact from dross dust diffusion on the surrounding environment and health of nearby residents. The residual dross can be reused as heat insulation agents or as deoxidizers, which are needed in iron manufacturing, and such reuse of byproducts especially sets the Hot Aluminum Dross Processing Machine apart from conventional dross processing methods in contributing to environmental preservation and sustainable use of resources.
5. Users can select the range of equipment they wish to use, such as the entire system or the dross processing aluminium recovery machine alone, which has HL-900, 1100, 1300 types ( can be tailor made as per customer's need )developed principally for aluminium die-cast manufacturers; the Hot Aluminum Dross Processing Machine (Aluminum Recovery System ) has an excellent reputation due to its compact size yet high efficiency and superior operability.

## Application of the Hot Aluminum Dross Processing Machine (Aluminum Recovery System)

1. Aluminium and Aluminium alloy manufacturers (Aluminum ingot plant, aluminum alloy rod mill, aluminum billets factory etc)
2. Those who use Aluminium and/or Aluminium alloy to manufacture products ( i.e. die cast factories)
3. Factories that melt down Aluminium recycle materials to make Aluminium alloy
4. Other Aluminium industry-concerned plants (i.e. who collect and/or recycle Aluminium dross)

For much more details about the hot aluminium dross processing machine, please feel free to contact [Michael@cnmetech.com](mailto:Michael@cnmetech.com). Or please refer to the below video links :

1. [www.youtube.com/watch?v=BBucP6DLe8k](http://www.youtube.com/watch?v=BBucP6DLe8k)
2. [www.youtube.com/watch?v=90KJ3bIDDJY](http://www.youtube.com/watch?v=90KJ3bIDDJY)

