

Odor countermeasures for foundry



- Type of exhaust gas : Deodorization of casting foundry (outside Japan)
- Air volume : 2,800m³/min
- Model : Bio Deoriser DR-30W × 4units



Problem

On the casting line, powerful odors such as those of resins were emitted, raising concerns both inside and outside the foundry.

Challenges

The system effectively captures odorous substances such as ammonia-containing resins, improving the work environment and preventing pollution.

Solutions

Four Bio Deoriser DR-30W units were used for liquid film treatment of exhaust gas emitted at air velocities of up to 1.83m / sec.

Effects

The work environment was significantly improved, and discharge of odors to the vicinity was sufficiently curtailed. We received additional orders for Bio Deoriser for other lines, as well.

R E P E A T

Thanks to the positive response, Deoriser was incorporated into existing facilities as well.

Repeat orders

The exhaust gas treatment we previously installed on a new casting line achieved positive results, and we installed Bio Deoriser units for exhaust gas treatment on existing casting lines as well. We have received feedback from the customer to the effect that "it does the job almost too well," but we cannot deny that since most of the pollutants are inorganic soot, some work is required to remove them. We are dealing with this issue via our maintenance system in Thailand.