

Cooling after Removal from Greensand Mold Frame

— Non-drain Cooling System —



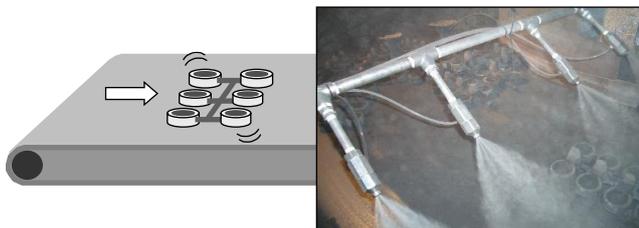
- Cooling off heat at the workplace.
- For dust suppression inside factories.

Non-drain cooling system for solids that utilizes Dry Fog, Semi-Dry Fog®, and fine fog. This system rapidly cools products and conveyors in a short time without moisture build up. When coming into contact with solids, the fog vaporizes without wetting object surfaces, simultaneously lowering object temperature via evaporative cooling. This approach eliminates wetness, a problem encountered with water-cooling approaches under certain circumstances, and provides more efficient cooling performance.

Cooling method

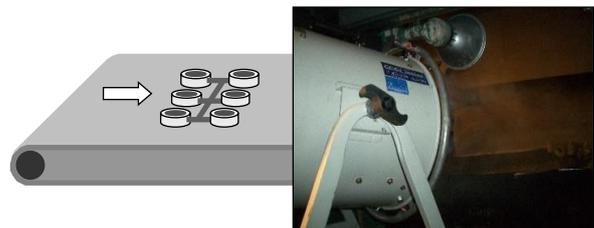
After removing frame

When the frame is removed, the product is very sandy. GSIM II fine fog nozzles cool products without moisture build up.

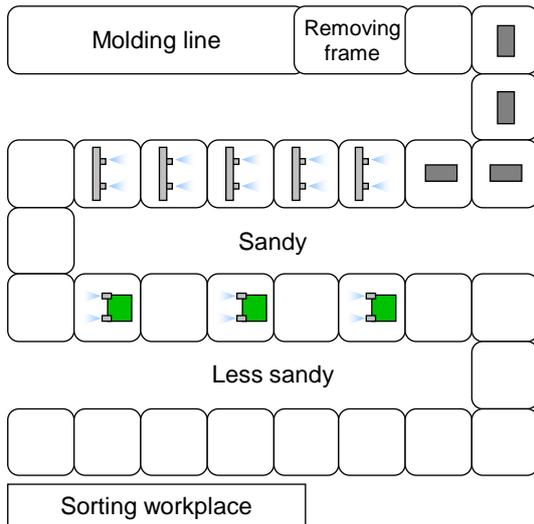


After removing most of the sand

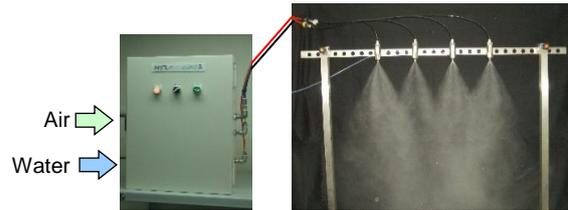
After removing most of the sand, COOLJetter® can rapidly cool the products using large amounts of fine fog and a fan.



Cooling flow chart



Cooling with GSIM II series nozzles

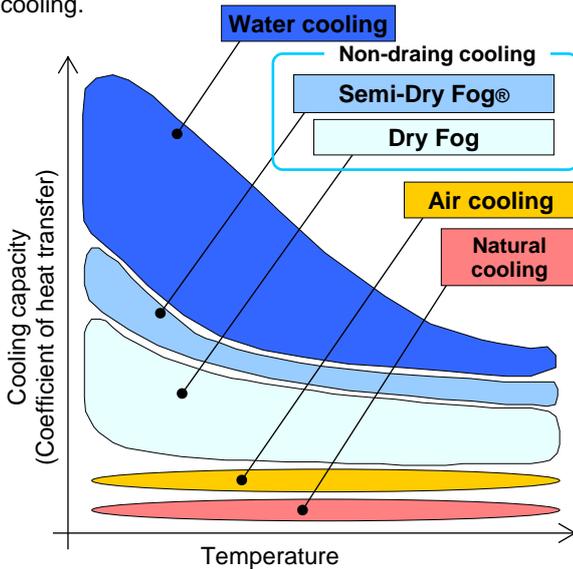


Cooling with COOLJetter®



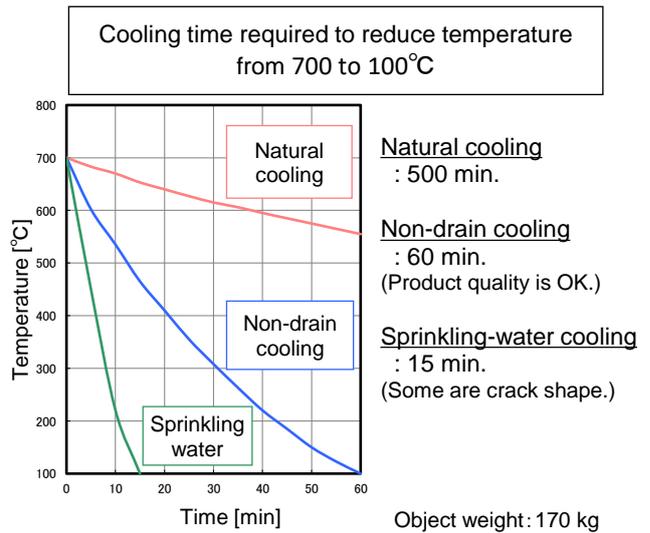
Cooling capacity

Non-drain cooling system for greensand mold frame achieves maximum cooling effect without water stains and poor product quality, eliminating uneven cooling, wetness and other problems encountered with water cooling.



Cooling performance

By natural cooling, the product will not cool down, and sprinkling water will lead to poor product quality. IKEUCHI's non-drain cooling system can cool the products in a short time, without damaging product quality.



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