# Being used in a wide array of customer worksites



system using fog **Before** 

**Dust concentration** =1.63 mg/m<sup>3</sup>

installation



https://www.kirinoikeuchi.co.jp/eng/company/location/



## Dust concentration =0.15 mg/m<sup>3</sup>



\*An example of results, not a guarantee value. Dust reduction rate varies depending on the circumstances of worksite.

# **Consult with IKEUCHI** for Dust Control

Fine fog spray reduces dust emissions and suppresses dust

# **Broad Product Lineup to Help Improve Work Environment**

- IKEUCHI is the leading spray-nozzle manufacturer in Japan.
- We design a dust suppression fog system best-tailored to suit the needs of each worksite, through in-depth discussions with customers and assessment of the worksite.
- Control panel and sensors or other control options are available for automated spray control, that allows effective dust suppression and water savings.

**Energy-saving** 

Low-cost, fine spray

range of site.

**Hydraulic Nozzles** 

nozzles used in a wide



#### Ultrafine-spray **Pneumatic Nozzles**

Ultrafine atomization keeps down extremely fine dust particles.



### **Conventional dust control**

has little effect Water sprinkling on airborne dust

**Use optimal** 

nozzles for

each site

unfit for use in Dust collectors a large space

### **IKEUCHI's dust control solution**

IKEUCHI's fine fog spray system

- effectively and economically suppresses dust in a large space
- doesn't get the worksite soaked
- yields a cooling effect





## **Fan Type**

Factory fans with spray nozzles mounted are being used for dust suppression in large spaces.





#### **Dust suppression mechanism**





Fine fog adheres to dust particles suspended in the air. The dust particles collided with the fog droplets rapidly settle out due to their increased size.





Extremely fine dust, so small that usual fog would not stick to, can be kept down by our pneumatic spray nozzles which produce finer fog.