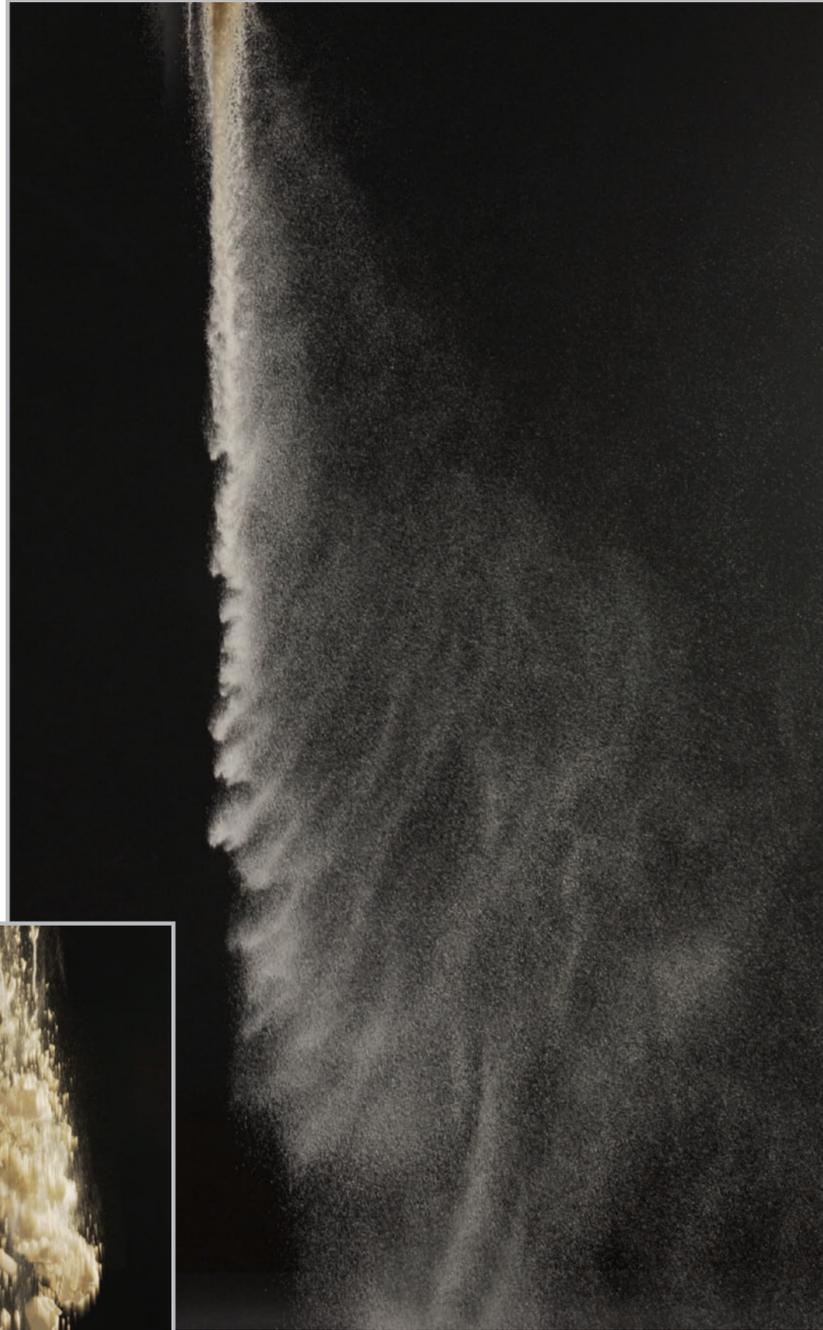
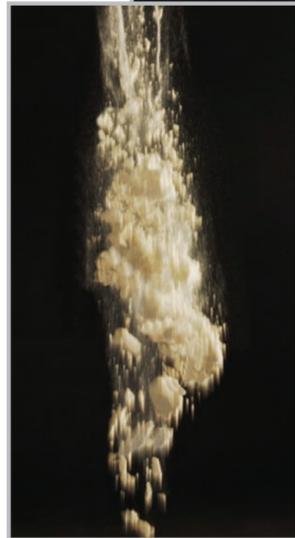


Aeration sand filling makes mold difference.



Aeration sand filling image



Gravity sand filling image

Sinto provides foundry equipment, systems, and technologies through its worldwide operation network

Sinto Global Network

20 Companies in 11 countries and area worldwide



 
SINTOKOGIO, LTD.

 
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Sinto products are designed with attention for safety and environmental quality concerns.

Before using Sinto equipment, please read and understand the supplied Operation Manual and operate the equipment properly.

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New Harmony >> New Solutions™

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FOUNDRY

One and only solution reached by our search for better quality mold Aeration Sand Filling

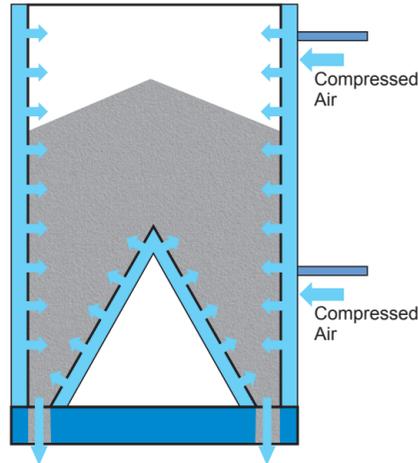
Aeration sand filling makes mold difference.

Aeration sand filling, the solution for better quality molds.

**“Good Castings
Rely On Good Molds.”**
Uniform sand filling

“Good Castings Rely On Good Molds.” is the common saying among professional foundry men worldwide since quite a long time ago. This statement carries profound meaning today because the requirements for quality cast products are becoming more and more stringent. A mold's dimensions, hardness and strength are critical for the production of high quality castings. To address this need Sinto has developed a Uniform Mold Sand Filling Method, one of the key elements in the mass production of superior quality molds. Under this circumstance, we, Sinto adhered to Uniform Mold Sand Filling as one of the basic for the mass production of superior quality molds. This concept has been manifested through the Aeration Sand Filling System. Low pressure air fluidizes the green sand in the tank and delivers it smoothly and uniformly to every cavity and corner of the pattern. A new molding machine series has been developed by combining aeration sand filling, with the most advanced molding technology.

Aeration Sand Filling



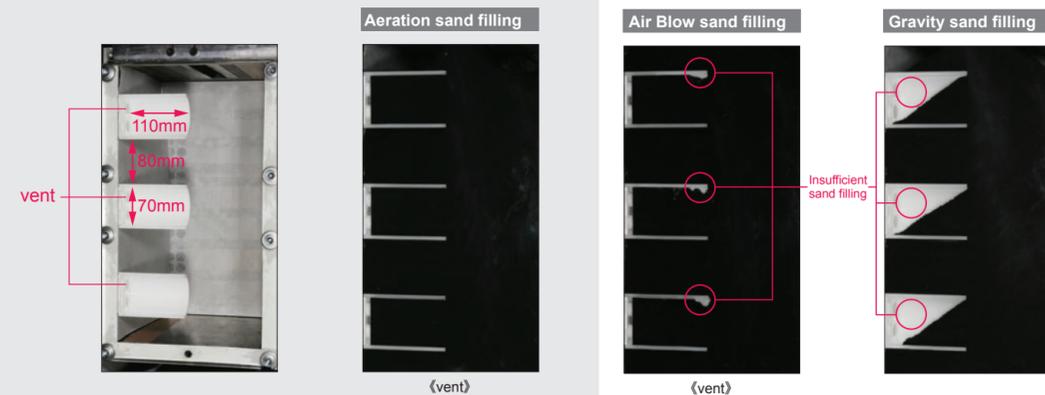
Aeration sand filling, is performed with much lower pressure than that used for blow system machines. Air is blown through the side walls of sand tank to fluidize the molding sand as well as to uniformly pressurize the sand tank.

Characteristics

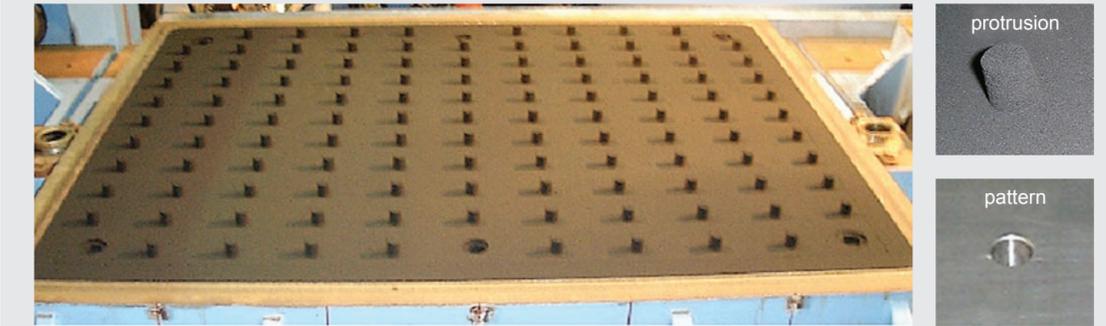
Primary sand filling that is ideal for the production of molds with superior accuracy and uniformly high strength has been materialized

- Uniform sand filling density
- Uniform sand filling is possible even for intricate and complicated cavities. Sand can flow around corners with little or no shadowing effect.
- Air consumption is reduced by 70% compared to blow system. (Data obtained by comparison with our conventional machines)
- Noise level is as low as 75dB(A) eq.

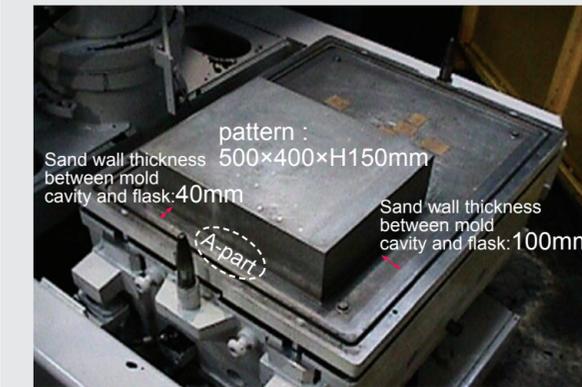
□ Sand filling demo as observed by Sinto sand filling verification test device



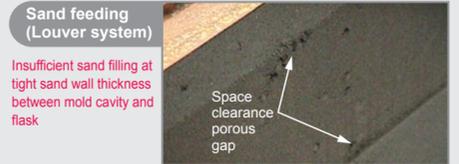
□ Advantages created by aeration sand filling (Example of molding)



□ Inside dimensions of molding flask : 900×700×300(mm) □ size : φ12×H15mm 115 p'cs of models in a pattern



□ Status of molding A-part



The group of Sinto molding machines capable of effectively producing molds with the Aeration sand filling system and cutting-edge molding technologies

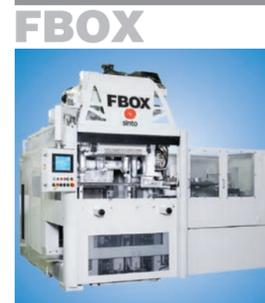
SEIATSU molding machine



Flaskless molding machine (2 station)



Flaskless molding machine (single station)



Flaskless molding machine (single station)

