Aeration sand filling makes mold difference.

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.

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

28 Companies in 11 countries and areas worldwide

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

Aeration sand filling makes mold difference.
"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.

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 75% compared to blow system.
- (Data obtained by comparison with our conventional machines)
- Noise level is as low as 75dB(A) eq.

Advantages created by aeration sand filling (Example of molding)

- Insufficient sand filling
- Insufficient sand filling
- Insufficient sand filling
- Insufficient sand filling
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A new molding machine series has been developed by combining aeration sand filling, with the most advanced molding technology.