

MAGNA

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Ductile Iron Components.Made Easy.

News Letter No: 87

April - 2009

Sub : Installation of sand pre-processing plant.

Magna is happy to announce the installation of its fully automated sand pre-processing plant.



SAND DRIER



COOLER CLASSIFIER

This new sand processing plant with a capacity of 5 MT per hour will be able to remove moisture and fines and grade the sand to the required grain size.

The facility was formally inaugurated by Mr. Jerry L. Rockstroh, Sr. Vice President & Chief Supply Chain & Process Excellence along with Mr. Ernie Morin, Vice President, Worldwide Supply Chain Management, M/S. Flowserve Corporation, USA on 18th March 2009.



CONTROL PANEL

The newly installed sand pre-processing plant will deliver the following benefits,

1. Sand drier
2. Fluidized bed cooler
3. Sand sieves with vibrator
4. Dust extraction systems
5. Closed storage facilities for raw and processed sand.



This sand pre-processing plant will help Magna in

- Grading of the raw sand by grain size into 3 grades. This will ensure right quality of sand is programmed and supplied to the requirements of different processes like core making, green sand molding and no-bake molding.
 - Reducing the organic and inorganic impurities in the sand by removing impurities like stones, fine particles etc.
 - Optimum usage of sand in various processes.
 - Optimizing the usage of sand additives as the impurities is removed.
 - Conservation of natural resources by optimizing the consumption of silica sand, bentonite, binders, water etc.
- Improving the work environment for employees by removing the impurities and fine particles.

SAND SIEVING AND GRADING

With this plant, our customers will benefited with improved surface finish of the castings supplied and reduction in rejection rates like reduction in sand inclusions.

Magna is one of the few foundries globally to have a kind of this plant.

The entire plant was conceived, designed and manufactured by Magna and its vendor subcontractors.



DUST COLLECTOR