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Green Sand Reclamation Plant

Foundry Sand Boiling Cooling Bed



S86 series foundry Boiling Cooling Bed class ensures a effective separation of dead clay as well as cooling of sand using a unique water heat transfer system.

Foundry Boiling Cooling Bed Description

S86 series foundry Boiling Cooling Bed class ensures a effective separation of dead clay as well as cooling of sand using a unique water heat transfer system. An all-in-one system eliminates the need for a separate sand cooler and sand classifier.

Foundry boiling cooling bed is designed for Hot conditions as Asian And African Continental.

Foundry boil cooling bed is used to get perfect temperature of returning sand before entering in sand mixture.

Specification of Foundry Boiling Cooling Bed

Robust design

Low maintenance

Long lasting

Available in different models for different output.

Model	productivity(m ³ /h)	motor power(KW)	high-pressured air blower(kw)
S8607	15-20	2x3	5.5
S8610	20-30	2x3.7	7.5
S8614	30-50	2x5.5	15
S8618	50-80	2x7.5	22
S8623	80-120	2x11	30

Foundry Green Sand Molding Line



Clay sand production /reclaiming and molding system is of low energy consumption, less sand crushing, high regeneration efficiency, less wearing parts, easy maintenance, small occupied area and so on.

Foundry Green Sand Molding Line

Equipment introduction of Clay/Green sand molding production line

Vibration conveyor, cast hanging conveyor, belt conveyor, magnetic separation machine, air separator machine, fine hexagonal screen, sand store house, two-way cooling bed, hoisting machine, conveyor belt machine, boiling reclaimer, belt conveyor, hoist, discharger, belt machine, sand store house, the disc feeder, belt conveyor, hoist, belt conveyor, exhaust ventilator, accessories, two-way feeder, screw feeder, accessories electronic scale sand mixing machine, belt machine, the disc feeder.

Foundry green sand molding line Equipment usage:

Foundry green sand molding line Clay sand molding line as binder type configuration (core) sand.Implementation of sand processing mechanization is an important part of casting production.The stand or fall of core sand preparation directly affect the quality of the casting production and the improvement of production and reduce cost;Due to the complexity of blasting process, clay sand treatment and transportation workload is very large, and the environment is very bad, so sand processing mechanization is an important part of the casting production.Sand treating section modeling for core is the main task of the ministry to provide qualified sand and core sand.

Foundry Green sand molding line working process:

This foundry green sand molding production line is eddy current centrifugal machinery regeneration device.Sand through quantitative device regeneration of high speed rotation plate, under the action of centrifugal force to the wear ring, all round between sand and the wear ring and sand repeatedly between friction and collision, the sand on the surface of the film adhesive has been removed, regeneration after sand from falling between disc wear ring and regeneration, at the same time, and regenerative disc in a shaft of fan drum wind up, forming strong airflow to the whereabouts of sand boil, air separation, go to the film adhesive and dust, satisfy the technological requirements of reclaimed sand.Old sand treatment after the death of low clay content, less the amount of new sand, sand high wet strength, after mixing liquid permeability is good.

model	SWT-5	SWT-10	SWT-15	SWT-20
productivity(t/h)	5	10	15	20

Green Sand Processing Production Line



Green sand processing production line is an eddy centrifugal mechanical regeneration device. Sand through quantitative device falls down regeneration plate of high speed rotation

Green sand processing production line is an eddy centrifugal mechanical regeneration device. Sand through quantitative device falls down regeneration plate of high speed rotation, under the action of centrifugal force to the wear ring, all round between sand and the wear ring and sand repeatedly between friction and collision, the sand on the surface of the film adhesive has been removed, regeneration after sand from falling between disc wear ring and regeneration, at the same time, and regenerative disc in a shaft of fan drum wind up, forming strong airflow to the whereabouts of sand boil, air separation, go to the film adhesive and dust, satisfy the technological requirements of reclaimed sand. After the old sand treatment, the content of the dead clay was low, the new sand was added less, and the wet-sand pressure strength was high and the flow permeability was good.

Automatic Sand Casting Molding Production Line



Automatic sand casting molding production line mainly processes old sand into molding sand that meets the requirements of molding process.

Automatic sand casting molding production line mainly processes old sand into molding sand that meets the requirements of molding process. Mainly include falling sand, old sand treatment (crushing, magnetic separation, screening, cooling), quantitative feeding, complete equipment of sand line, molding sand mixing, transportation, dust removal, electronic control system.

Main features of Automatic sand casting molding production line

1. The layout of the equipment can be flexible and diverse, and can be arranged and adjusted according to the customer's production requirements and specific plant, site and technical transformation requirements.
2. It is suitable for large-scale mass production of non-single variety castings.
3. The molding capacity depends on the selected molding machine, its quantity and auxiliary equipment.
4. Reliable use and easy maintenance.
5. Green sand molding line mainly has two layouts of open type and ring type.

Sand Shakeout Cooling Drum



The sand cooling drum is specially used for casting sand, cooling, and crushing of old sand in the foundry production casting line.

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Type	Productivity (t/h)	drum diameter (kg)	Power(kw)
L3214	25	1400	7.5
L3218	40	1800	15
L3220	60	2000	22

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