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Resin Sand Recamation Plant

Resin sand recycle plant



Resin 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.

Resin sand recycle plant

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Components of resin sand reclaiming and molding system
Components of resin sand reclaiming and molding system
shakout machine
vibrating conveyor
elevator
sand bin
vibrating feeder
vibrating crusher
magnetic separator
reclaimer
sand boiler and cooling bed
sand mixer

Chemically Bonded Sand Molding Line



Resin 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.

Chemically bonded sand molding line For castings of any size

Qingdao Bestech Machinery Co.,Ltd offer chemically bonded sand molding line equipment that maintains exceptional quality, eliminating the need for reworking.

Automated, labor-saving solutions reduce physical work and other forms of worker strain to help alleviate labor shortages.

Spilled sand and scattered dust are kept to a minimum for a cleaner, more comfortable work environment.

Benefits of chemically bonded sand molding line

Reduction of heavy labor, labor savings, and standardization of skilled work

With flaskless machines, elimination of the space and effort needed to maintain flasks

Lightweight, low-noise equipment for a more comfortable work environment

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

Foundry Knockout Machine



Foundry vibration knockout machine for resin sand and clay sand reclamation line

Foundry Knockout Machine Description

Foundry Knockout Machine are of sturdy construction and easy to maintain. Knockout Grid vibrates at great efficiency which is constant over the entire area and it will give the maximum vibration. The springs are designed in such a way that it will transit very less vibratory effect to the base frame. The Base frames are specially designed to withstand heavy shocks and overloads provided with proper spring rests. The Entire system is driven by eccentric shaft supported by heavy duty anti-friction bearings or Electric vibrating motors. Counter Weights can be adjusted to get the required vibration.

Model	L121	L122	L123	L124	L125	L128	L1210	L1215
Payload (T)	1	2	3	4	5	8	10	15
motor power(kw)	2x2.2	2x2.2	2x3.7	2x5.5	2x5.5	2x7.5	2x9.5	2x12
Dimension of worktable (m)	2x1	2x1	2x1.8	2.2x2	2.5x2	2.5x2	3x2.5	3x3

DISA Quality Foundry Cooling Drum Of Castings And Sand



Foundry vibration shakeout machine for resin sand and clay sand reclamation line

Foundry cooling drum for castings and sand

Clay sand vibrating shakeout machine is mostly used shakeout equipment for small and medium castings de-sanding. It suits for massive and consistent clay sand casting production. Castings in molds are loaded into foundry sand de-sanding cylinder. They rotate and move inside rotating cylinder. Molds break and foundry clay sands falling off the cylinder to bottom where belt conveyor is connected to deliver sands out. Castings are kept in cylinder. In the outlet, they are delivered to casting procedure.

- * Efficient sand cooling and moistening of the return sand is important to ensure good sand quality
- * Heavy duty direct drive for smooth, consistent operation
- * Few moving parts, minimum maintenance

Type	productivity(T/H)	drum diameter(mm)	power(kw)
L3214	25	1400	7.5
L3218	40	1800	15
L3220	60	2000	22

Foundry Resin Sand Crusher Machine



Foundry vibration sand crusher for resin sand and clay sand reclamation line

S33 series Vibratory Resin Sand Crusher Machine:

S33 vibratory crusher series is based on similar products designed to improve equipment used mainly for high-performance crusher sand resin sand broken pieces. It uses the principle of suspension vibration, vibration motor torque generated excitation to block sand the vibration of a certain law of vibration, through mutual collision and friction of the city of sand to achieve the purpose of crushing.

Model	S3305	S3310	S3315	S3320
Productivity (T/h)	5	10	15	20
motor power(kw)	2x3.0	2x3.7	2x5.5	2x7.5

China liquid sodium silicate machinery production line



Process flow of resin sand production line: The cast sand box and castings are hoisted to the inertial vibratory shakeout machine by crane.

Resin 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 Machinery China Resin Sand Reclamation casting machines The resin sand is a molding and core making technology which the mould and core sand will be self-hardened in some time in the flask when added in certain amount glue. At present, the foundry usually applies furan resin sand, ester-hardening alkaline phenolic resin sand and pep-set resin sand. The great characteristic is that under the room temperature the time during it's self-hard can be used. The self-hardened rate and hardness is related to the room temperature, environment humidity. It's fit the single piece, small batch, various medium and large scale casting's mould and core, widely used in the, general, heavy, shipbuilding, locomotive, motorbike.

Foundry Green Sand Aerator



Foundry vibration knockout machine for resin sand and clay sand reclamation line

Description of foundry green sand aerator

S38 series sand fluffer machine is a small sand fluffer equipment which is widely used for sand reclamation in foundry workshop of foundry factory.

The comb steel sheet under high speed rotation is used to projectile the cast sand, and the sintered sand block is decomposed at the same time to remove the inclusions, so that the new cast sand (molding sand) has better ventilation. It can strengthen the effect of loosening sand, and can ensure continuous and uniform sand, so as to optimize the quality of products. Reduce the reject rate. Reduce the labor intensity of workers. Improving working conditions. Improve productivity.

The machine is small in size, light and flexible, economical and practical.

It is mainly used for loosening all kinds of clay sand, which can be installed under the unloading mouth of sand mixer or the transferring unloading place of belt conveyor. It has strong applicability

and can be used alone or placed on the mechanized sand treatment line.

Model	S336	S338
capacity	8t/h	10t/h
belt length	1350 mm	1800 mm
motor power	2.2 kw	4 kw

Foundry Compaction Table



Foundry vibration Table for resin sand and clay sand reclamation line

Foundry Compaction Table

Qingdao Bestech mould compaction table for mechanical ramming of chemical bonded as well as silicate bonded sand mould through vibration technology. By vibrating the pattern and box as it is filled with mix sand, the sand flows freely into all recesses and cavities with little or no manual ramming and makes a stronger compacted mould. This results in better casting finish and fewer defects. The table utilizes a set of roller on top which allow easy movement of the pattern box onto and off of the table. During vibration the table with pattern box lift up and isolated roller top by air rubber below. Vibration intensity and duration are controllable depending upon control options specified. Standard models as below:

1. Provides fast compaction of sand mould.
2. Variable speed controller (A. C. inventor) to provide flexibility for vibrations in mould weighs and sizes.
3. For smooth vibration through using air rubber below (air spring) as suspension as well as vibrating table lift up and isolate from roller top.
4. Several special sizes available as tailor made.

Foundry Compaction Table Technical Details

Model	Actual Load	Exciting Force	Workbench Size	Power
Z291	1	2x5	1250x1200	2x0.4
Z292	2	2x10	1250x1200	2x0.75
Z293	3	2x16	1500x1200	2x1.1
Z294	4	2x20	1550x1200	2x1.5
Z295	5	2x30	1800x1200	2x2.2
Z296	6	2x30	2545x1400	2x2.2
Z298	8	2x40	2945x1400	2x3
Z2910	10	2x50	2945x1400	2x3.7

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