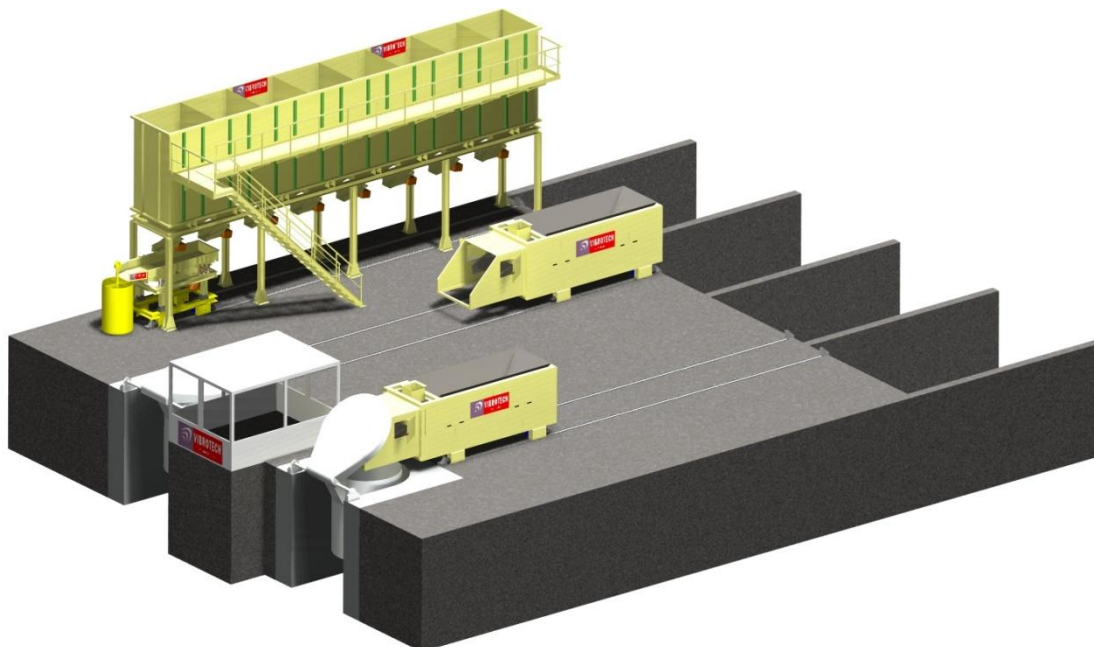




- **Vibrating machinery and installations for ferrous and non-ferrous foundries.**
- **Casting industries.**
 - Furnaces charges cars for all kind of furnaces.
 - Automatic ferroalloys installations for stocking, dosing and weighing the additives. First and refining dosage.
 - Vibrating machinery for vertical and horizontal moulding lines.
 - Vibrating machinery in foundries with for manual process.
 - Vibrating machinery for non ferrous foundries.



Melt deck installation (furnaces charge cars and automatic ferroalloys installation)

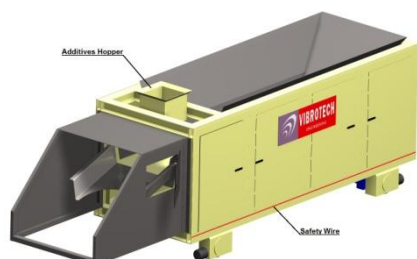


Furnaces charges cars

- Adapted to all kind of furnaces (induction, rotary, reverberatories, etc...).
- Manufactured with strong conception.
- Driven by two unbalanced motors or exciters.
- Feeding and/or sideways movement to charge several furnaces.
- Safety conditions: turning light and acoustic signal, protection against impacts in the back side, nose adapted to the furnace.
- Options: weighing system, soundproofing protection; elevating system; additives hopper; material retention gate...

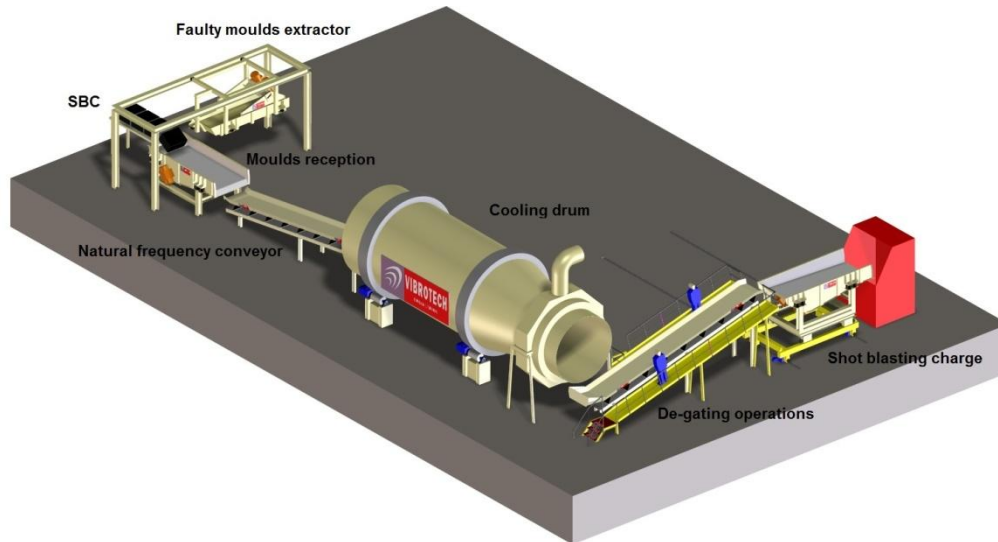
Automatic ferroalloys installations

- Turn key project.
- Non limitation in number/capacity of hoppers.
- Automatic control program with possibility to connected to the spectrometer.
- Electromagnetic feeders to extract the additives of the hoppers.
- Weighing machine with cells.
- Bucket adapted to unload the additives in the furnace charge car.





Vibratory machines for automatic vertical and/or horizontal moulding lines.



Vibrotech Engineering, S.L., design and manufacture machines for vertical and horizontal moulding lines. We manufacture all the machines; from we receive the mould of the SBC to get the pieces into the shot blasting machines. Also we manufacture machines to pick the sand up under the AMC and SBC.

We can design the installation with several kind of conveyors and different kind of shake outs for drawing on.

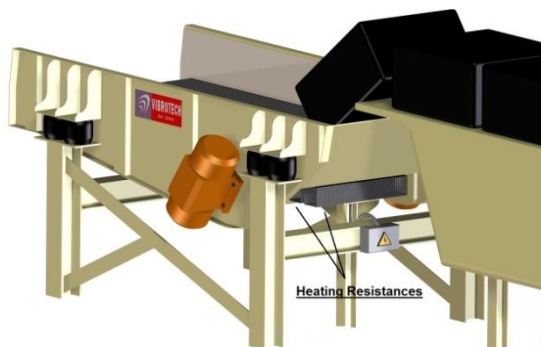
Moulds reception

- Driven by electric vibrators or natural frequency.
- With electric heating resistances.
- First part with a cover made in stainless steel, to avoid the sand stick on the tray.
- Rugged construction due to the big impacts and job to do.

Faulty moulds extractor

- Supported on a frame with translation adapted to the installation.
- To extract the faulty mould of the line.
- Adaptable to any cases in different installations.

Foundries brochure



Frequency natural conveyors

- To transport the pieces and sand.
- To de-gating lines.
- To cooling the metal and sand.
- Long distances in a single unit.
- Heavy construction.



Shake out conveyors

- Different kind of shake outs. Cooling drum or shake out conveyors.
- Driven by electric vibrators or exciters.
- Different kind of perforated plates or bars.
- With angle control modification in option.



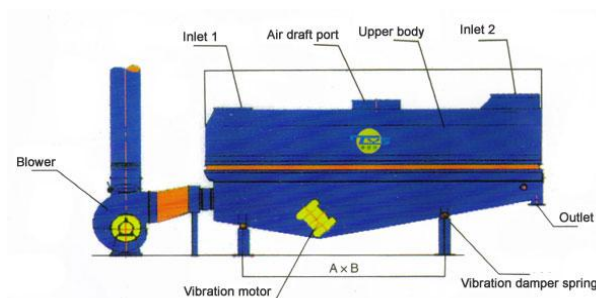
Shot blasting machines charges cars

- Single or double movement.
- With weighing cells in option.
- Front gate for material retention driven by a cylinder.
- Machines to pick the pieces up after to be cleaning.



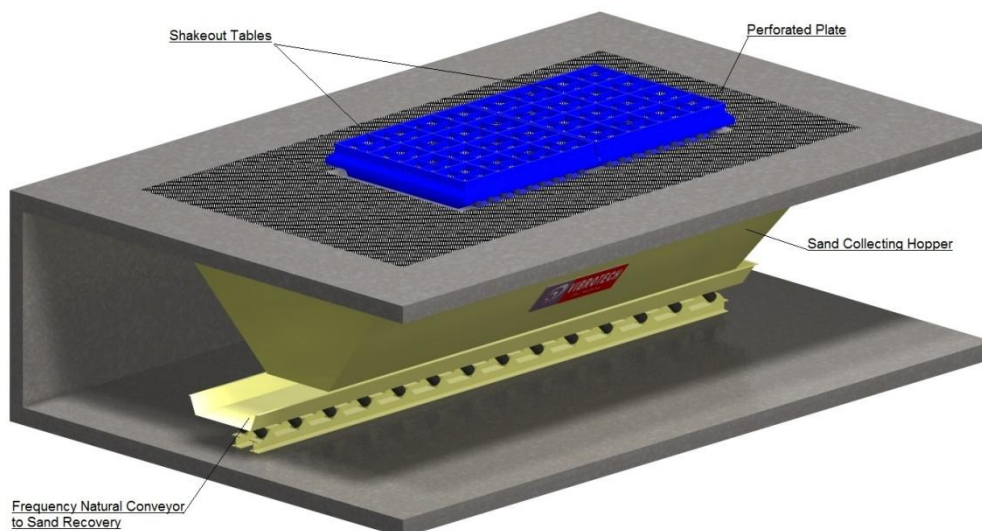
Sand coolers

- For green sand.
- Driven by electric vibrators or exciters.
- Automatic control programme to get the right moisture and temperature at the exit.
- Fluidised system to sand homogenisation.





All kind of foundries with manual process



*** Turn key projects**



Shake outs tables

- Driven by mechanical system or unbalanced electric vibrators.
- Different measurements.
- Strong manufactured.

Conveyors

- Electromechanical and natural frequency conveyors.
- Conveyors to pick the sand up bellow the shake outs. To be delivered to the sand reclamation.

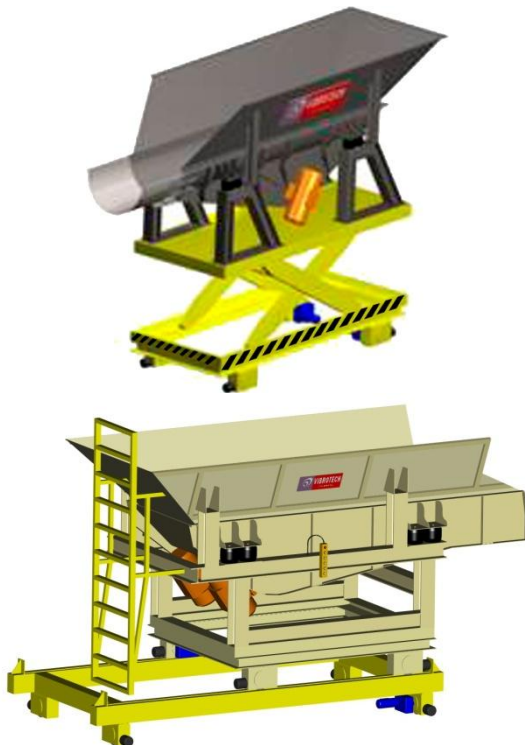
Compaction moulds tables

- Driven by electric vibrators.
- Different measurements.
- Stack tables or with rollers in option.

Vibrating machines for non ferrous foundries

Vibrotech Engineering, S.L., design and manufacture all kind of machines, to charge the scrap into the furnaces. We always design the machines adapting to our customers needs and the type of the furnace, rotary, reverbatory, etc.

Also we make automated installations to stocking, dosing and weighing the additives.

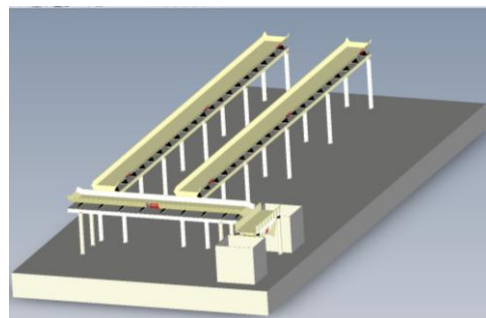


Rotary and reverbatory aluminium furnaces.

- Adapted to all kind of furnaces (rotary, reverbatories, etc...).
- Manufactured with strong conception.
- Driven by two unbalanced motors or exciters.
- Feeding and/or sideways movement to charge several furnaces.
- Safety conditions: turning light and acoustic signal, protection against impacts in the back side, nose adapted to the furnace.
- Options: weighing system, soundproofing protection; elevating system; additives hopper; material retention gate...

We design and manufacture installations to pick the casting slugs up under the hydraulic presses, and conveying until the furnaces to be re-melted.

Casting slug us reclamation





All kind of vibrating screens for different products (ferroalloys, coal, HBI and others)



Hopper extractor driven by
electromagnetic vibrator.



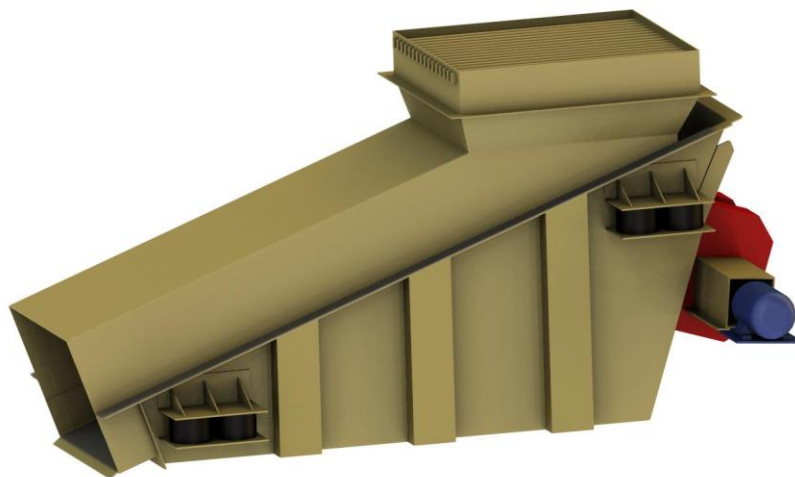
Hopper extractor driven by
Unbalanced motors.

Vibrotech Engineering, S.L., make the design and manufactured of this kind of machines, which are used to extract of solids products in all kind of hoppers of diferent capacities.

Vibrotech Engineering, S.L., manufactures this kind of machines adapting to the customer's needs. These machines have a wide range of utilities, in several sectors of the industry; extracting of materials in quarrying plants, extraction of ferroalloys in the casting industries, recycling of metal or others like in chemical industries and food industries are some of their applications.

This kind of machines are driven by different kind of motors depending of the applications.

- **Unbalanced motors** with adjustable weights.
- **Electromagnetic vibrators**, driven through an electric control box for different applications, as weighting operations and accurate dosing.
- **Exciters** driven through a motor and connected by cardan shaft.



Hopper extractor driven through exciters

The company



Foundries brochure

Vibrotech Engineering, S.L. it is a Spanish company that develops its main activity to designing and manufacture vibrating machinery and installations for foundries and others sectors of the industry.

The company is composed by a team of professionals with highly qualified and with deeply experience in design and manufacture vibrating machinery, experience which we put to our customer's disposal, to met their needs adapting our self to their production needs The head office and the manufacture plant is located in Valle de Trápaga in the province of Vizcaya, which is the most industrial area in Spain and one of the most industrial areas in Europe.



More than 50 years of experience of our head company **Alju, S.L.**, www.alju.es, in close contact with the needs of the general industry and our commitment to research and development of new solutions, allow us to handle any project involving vibrating machines and installations for several industries.

Manufactured ways

Our head company has a plant with 10.000 m² with all the production ways, where all the machines are manufactured and submitted to the most exigent quality test.

