



Vibrating Machinery & Installations



Furnace chargers

Automated ferroalloy installations
(primary and refining)

Vibrating machinery for automatic
moulding lines: vertical and horizontal

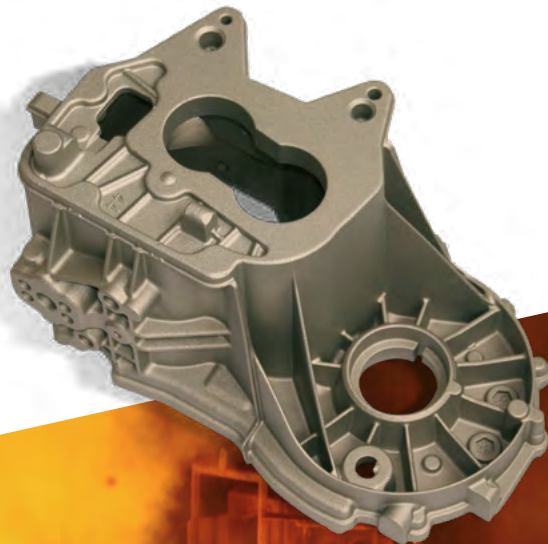
Vibrating machinery for foundries using
semi-automatic or manual processes

Vibrating machinery for non-ferrous
foundries

Vibrating machinery for steelworks

Electric and pneumatic vibrators

Ferrous and non-ferrous foundries-installations





Vibrotech Engineering USA, LLC. is a company based in Dayton Ohio whose main activity is the design and manufacture of vibrating machinery and different types of installations to be used in the transport and selection of solid materials.

The company is formed by a team of professionals, with a wide experience in the design and manufacture of vibrating machinery and is at the disposal of its customers to meet their needs and adapt to their production demands.

The more than 20 years of experience, always in close contact with the needs of the general industry as well as our commitment to research and to the development of new solutions, enable us to lead projects in various industrial sectors.

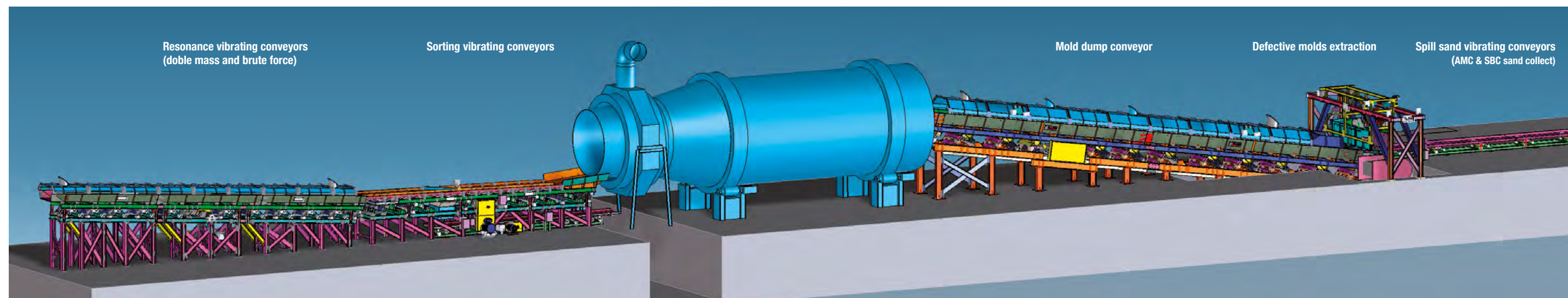
Vibrotech Engineering USA, LLC has offices in Mexico, and Spain with a wide commercial network in order to meet the needs of our customers, both commercially and technically.

Our Technical Office is firmly committed of promoting R&D&I in the continuous search for new and better solutions.

Vibrotech Engineering USA, LLC works with a firm commitment to expansion into international markets and continuous improvement in all its departments.



Vertical and horizontal molding lines



Machinery

1. Spill sand vibrating conveyors
2. Mold dump conveyor
3. Bidirectional vibrating feeders
4. Resonance vibrating conveyors (doble mass and brute force)
5. Defective molds extraction
6. Sorting vibrating conveyors
7. Continuous shake outs
8. Vibrating casting coolers
9. Shot blasting machine cars
10. Sand coolers



Spill sand vibrating conveyors (AMC & SBC sand collect)



Defective molds extraction



Vibrating casting coolers



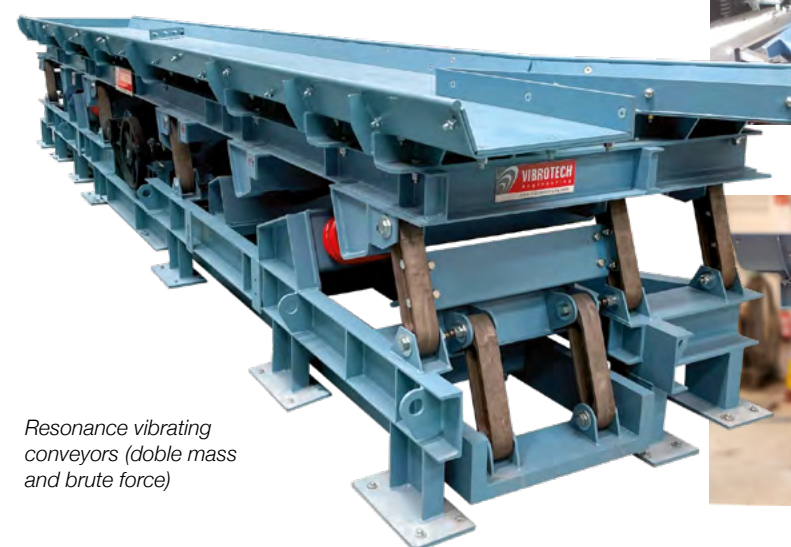
Mold dump conveyor



Sorting vibrating conveyors



Shot blasting machine car



Resonance vibrating conveyors (doble mass and brute force)



Bidirectional vibrating feeders



Continuous shake outs



Sand coolers



Shake Outs and Vibrating Casting Coolers

Shake Outs



Vibrating Casting Coolers and Sorting resonance conveyors



Melting deck platform Furnace chargers and ferroalloys installations



Melting platform



Induction furnace charger



Induction furnace charge



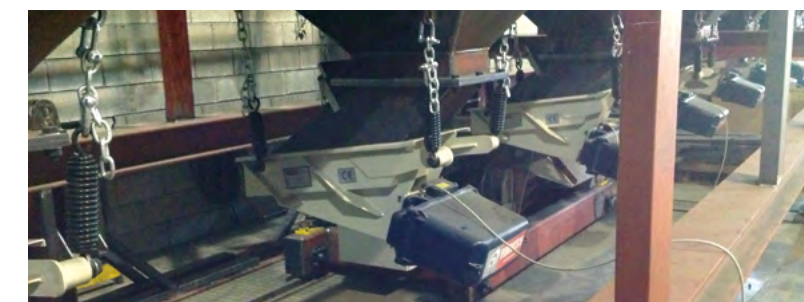
Induction furnace charge

Furnace charger

- Adapted to all kind of furnaces.
- Unbalanced vibrating motors or resonances systems.
- Single or double movement to charge several furnaces.
- Designed with the highest demands regarding robustness and isolation.
- Safety devices: acoustic and light signals, safety protection during the charger movement, antispashing spout adapted to the furnace.
- Options: weighing system, hopper for ferroalloys.

Automated ferroalloy installations

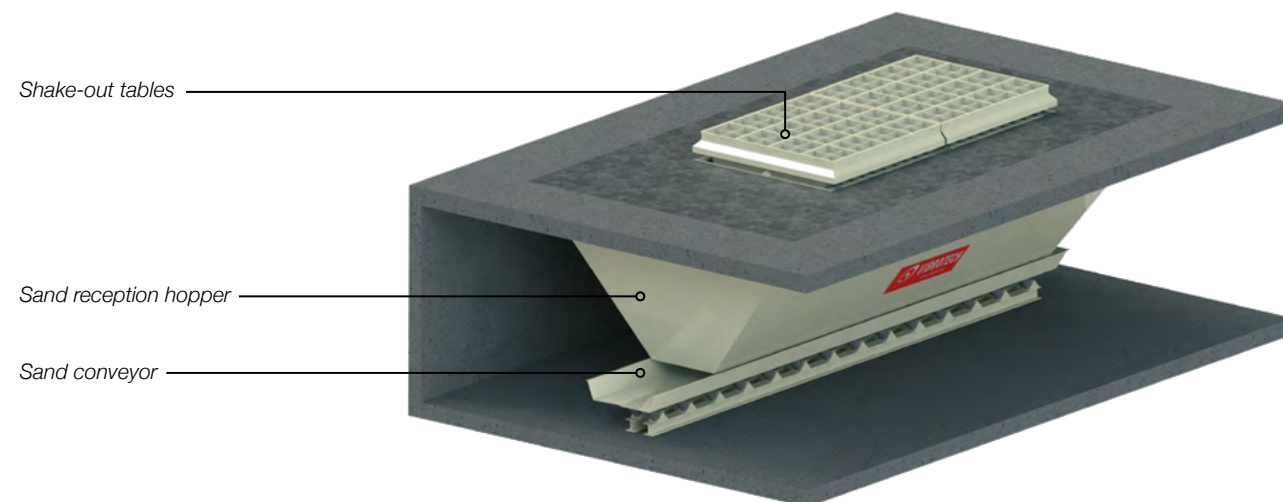
- Turn-key projects.
- Adapted to the number and capacity of hoppers required.
- Possibility of connection to spectrometer.
- Discharger feeder for material extraction.
- Ferroalloys bucket adapted to unload into the charger.



Ferroalloys installations



Shake-out installations



Shake-out tables



Sand vibrating conveyor



Attritions machine

Shake-out tables

- Different drives.
- Robust design.
- Different measurements depending on requirements.

Vibrating conveyors

- Resonance conveyors or electromechanical.
- Sand collection conveyors below the shake-out table to be driven to sand reclamation.

Unbalance motor driven

- Electric vibrator-driven.
- Flat tables or roller bed to carry the boxes.

Attrition vibrating machines

- It allows the separation of sand from the molding for its mechanical recovery.
- Available in different sizes depending on the flow to be processed



Vibrating machinery for non-ferrous foundries

Vibrotech Engineering, S.L., designs and manufactures all types of chargers for charging furnaces of different types and capacities: induction, rotary, reverberatory, etc.

We also produce additive storage, dosage and weighing installations.

Rotary and reverberatory furnaces

- All kind for furnaces.
- Different capacities depending on the furnace sizes.
- Single or double movement to charge several furnaces.
- Safety devices: acoustic and light signals, safety protection during the charger movement, antispashing spout adapted to the furnace.
- Options: weighing system, acoustic fairing, hopper for iron-alloys, load retaining gate, hoisting system for rotary furnaces.



Rotary furnace charger



Reverberatory furnace charger

Scrap collection resonance conveyors

Design and manufacturing of installations for the collection of scrap under the presses for re-casting.



Scrap collection conveyor





Vibrating machinery for steelworks

Machinery

- Ferroalloys installations
- Discharge feeders
 - Electromagnetic
 - Electromechanical
- Vibrating conveyors
- Screens



*Electromechanical
discharge feeder*



*Electromagnetic
discharge feeder*



*Screen for ferroalloys /
coke / lime, etc.*

*Scrap cleaning
conveyors*





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