



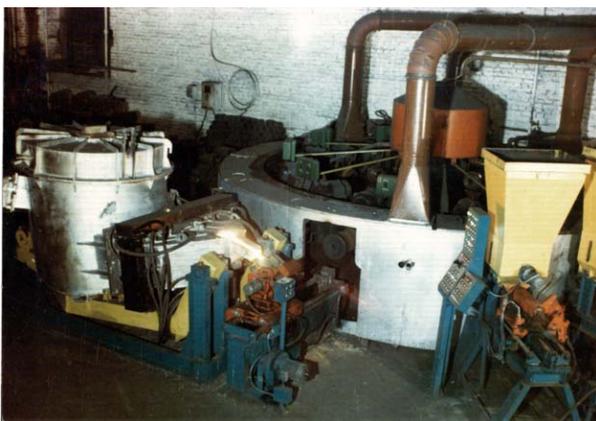
## Magnetodynamic mixing-batching device for liquid pig-iron

There are created industrial samples of magnetodynamic mixing-batching device for liquid pig-iron. Through such units the adjustable induction heating is provided - including forced, liquid pig-iron up to temperature 1600 °C (the controlled electromagnetic hashing of metal is carried out with his further processing (refining, modifying), or endurance, the electromagnetic submission of pig-iron in the forms on foundry lines, complexes of centrifugal moulding, rot or units, installations of continuous moulding is provided portioning. Such mixers can be used as the store with induction heating. In such equipment the functionalities of the induction channel furnace and electromagnetic pump are united. The novelty of the used technical decisions proves to be true by the patents in such countries, as USA, Japan, Germany, France and others.



Dosing electromagnetic pouring of pig-iron on the automatic transfer line.

The industrial samples magnetodynamical of mixers - batches by capacity 1600, 2500, 4000 and 6300 kg of pig-iron are produced. They provide: speed of submission of metal with having fill. the forms - 1-15kg/s; efficiency on having pour pig-iron on automatic transfer lines of 6400-25000 kg/h; efficiency with heating pig-iron on 100 °C - 2500-10000 kg/h; the specific charge of water of energy: With having fill pig-iron in the forms - 10-20 KW/hT; With endurance - 30-60 KW/ht.



Dosing having pour on the complexes of centrifugal moulding.

**The MIXING-BATCHING DEVICE gives opportunities:** to increase quality of pig-iron, including for the account outfurnace of processing; to reduce the charges of the electric power on 7-10 %; to increase an output of suitable moulding on 5 - 12 %; to lower an intoxication basic and alloying of elements on 2 - 5 %; to automate process having pour. pig-iron on 90-95 %; to reduce harmful influence by an environment. Such equipment can also be used for outfurnace of processing and electromagnetic pouring of steel.