Rebuilding Process For The Box Type Induction Melting Furnace
The sales and engineering departments review customer requirements for rebuilding their furnace.

A used furnace can also be selected from the many furnaces in our used equipment inventory for rebuilding.
The furnace is completely disassembled.
The frame is sandblasted and repaired.
The furnace refractory top and bottom components are designed and manufactured.
The coil is completely rebuilt or a new coil is designed and manufactured to match the customer’s requirements.

Rebuilt coils are acid flushed and all coils are pressure tested at 120 psi minimum. Coils are tested for proper water flow.
After the furnace is reassembled, a high alumina refractory grout is added to the coil to form the inside walls of the furnace.

The molten metal leak detector sensors are installed in the bottom of the furnace.
The completed furnace is mounted onto the stanchions. The furnace is tilted by an overhead hoist to insure proper mobility.
The stanchions can be fitted with cylinders and hand controls to tilt the furnace hydraulically. Hydraulic cylinders are rebuilt or new cylinders are installed and pre-piped to the hydraulic control valve.