Use:

The Rotary Retort furnaces are used for heat treatment on parts of small dimensions.

The Furnace is composed of one cylindrical metallic structure duly thermically insulated where a retort built with refractory steel, works receiving the load to be treated.

Rotary Retort Installation model:
FAC-RG - E - 300 consisting of:

- Lift Loader
- Dosage system
- One washing machine for parts with 3 stages.
- Loading system
- One rotary retort furnace with electric heating.
- One quenching tank with high flow and rotary drum.
- One vibratory trough.
- One washing machine for parts with 2 stages.
- One machine with two movements.
- One tempering furnace.
- One electric panel complete with command and control.

Possible heat treatments:

- Casehardening;
- Carbonitriding;
- Quenching;
- Annealing in general;
- Tempering.
Continuous Rotary Retort Installation

The heating system of the furnaces may be electric or with gas. In case of the electric one, there will be used resistances dimensioned with low charge density, which allows more life time of them.

The gas furnaces are built using high performance burners, always assembled on regulation and control racks built to meet all required safety standards.

Quenching tank:
It is a Tank for oil, with capacity of 3,000 liters, built with carbon steel plates and profiles, duly welded and tight, with continuous fillets, shaping a strong and undeformable assembly, finished and painted.

Washing machine:
- Washing machine with electric heating.
- Rotary type, with helix of 200 mm pitch.
- Drum and inside helix stainless steel 304.
- Tanks for liquids.
- Motopumps and their piping with showers.
- Resistances groups for the liquid tanks.

The rotary system of the retort is with motoreductor and frequency converter, which provides flexibility to several kinds desired processes.

The rotary retort installations are produced with productive capacity of 300 Kg/h.