

# AC and DC Furnace Transformers



**TAMINI**  
ENERGY TRANSFORMERS

**TAMINI**

TRANSFORMERS AND REACTORS FOR METALLURGY

**Industrial Line**



### OVERVIEW

The Electric Arc Furnace and Ladle Furnace Transformer are the key equipments in a steel plant and all possible efforts have to be made in order to avoid their outages.

Furnaces transformer's life is affected by heavy stresses during operations.

Frequent on and off switching, high magnitude inrush currents, high operation currents, often close to short circuit values, fast transient overvoltages, significant harmonic content and elevate number of operations carried out by the on load tap changer are the everyday challenges for a furnace transformer.



Different solutions can be adopted according to the customer requirements:

- Single or double core "booster" solution
- LV delta closure either inside or outside the tank
- LV bushings either in copper bars or water-cooled pipes
- LV outlets either on the top cover of the transformer tank or on the lateral side.

### PRODUCT SCOPE

- Rated power up to 360 MVA (the highest rating ever built)
- L.V. current up to 140 kA