



# CASTED BELT AND CHAMBER FURNACES FOR HEAT TREATMENT OF FORGED PARTS AND OTHER COMPONENTS







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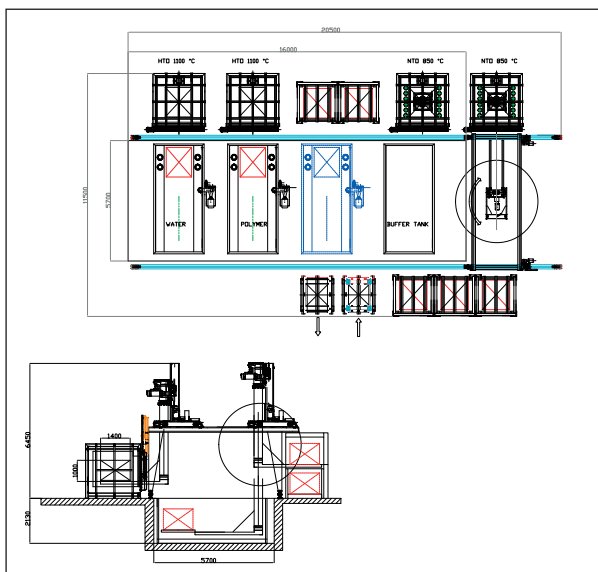
Example of continuous solution with casted belt for production up to 3000kg/h

The industry market and the final consumers are more and more attentive to the results of the heat treatment of the treated components. This is why our experience combined with the continuous research and the great flexibility of our furnaces, allows us to satisfy completely the customer's requests. Also for the forged pieces the heat treatment is very important. The heat treatment process guarantees the product structural uniformity and mechanical characteristics. The procedures at this stage are particularly accurate to ensure the best quality.

IVR realizes solutions with continuous furnaces with casted belt, roller transport system or chamber furnaces. All our solutions are completed by loading and unloading systems, cooling systems (air, oil, water, polymer), etc. IVR's furnaces for forged parts are machines that can work completely automatic (24/24h and 7/7 days), with the possibility of remote control, thanks also to the use of new supervision and control technologies and use of code detection systems, monitoring with cameras, etc.

These modern systems also allow the integration of the furnaces and the lines in the management of Industry 4.0. The possible heat treatments are for example: normalization, isothermal annealing, annealing, hardening with oil or polymer. The plants can be electrically or gas heated. IVR has developed specific systems for energy recovery with a view to reducing customer's production costs.

Particular attention is paid to the choice of the material used for the construction of our plants, choosing high quality European components, which guarantee reliable operation over time.



Example of a chamber line solution for production up to 1500kg/charge

