

Discover our:

BURN-OFF OVEN MOD. TR



High performance. High reliability.



High-performance industrial furnaces for thermal paint stripping, engine reconditioning, and metal surface treatment, with smart process control – Made in Italy.

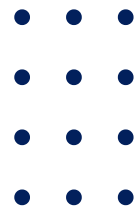
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FORTEC is an Italian company with **over 50 years of experience** in solutions for thermal waste treatment, cremation, and the controlled management of thermal processes. We design and **manufacture every key component in-house**, from steel structures and refractory linings to electrical panels and control systems, an advantage that ensures a **truly Made in Italy product**, full control over quality and lead times, and more effective customer support.

Each plant is developed to customer specifications, tested before delivery, and supported by dedicated sales teams for both the Italian and export markets. We also have a technical team that supports customers during **on-site commissioning worldwide**, along with a **remote assistance system** that bridges distances, enabling rapid interventions and expert support directly from our headquarters.



TR



**BURN-OFF
OVEN**



TECHNOLOGY

TR pyrolytic ovens use the well-known pyrolytic process, optimized by microprocessor control, as their operating principle.



DESIGN

Dimensions, loading and opening systems of the plants make them suitable for the treatment of a very wide and heterogeneous range of products.



ENVIRONMENT

Each system is equipped with a post-combustion chamber in which fumes and odors are eliminated, making this technology eco-friendly.

In the wide variety of For.Tec. Products, the TR range includes plants specifically intended for industrial applications: these are newly designed ovens, which use the well-known pyrolytic process as operating principle.

TR ovens are ideal for the regeneration, by heat treatment, of metal filters, paint hooks, electric motors, lubricated parts, metal parts.

With decades of experience in the field, For.Tec. developed a new multi-stage treatment system that uses pyrolysis to remove paint, grease and other coatings from metal parts. The strengths of this new For.Tec technology are many:

- The use of heat under controlled conditions, which allows you to completely eliminate the coatings without damaging or modifying the characteristics of the metal parts treated, while ensuring optimal results;
- The optimization of the process through microprocessor control and the installation of a post-combustion chamber in which fumes and odors are eliminated, making this technology eco-friendly;
- The injection of nebulised liquids during the cycle, which avoids the initiation of self-combustion episodes and allows the detachment of waste materials, making the pyrolytic process the safest and most efficient;
- Thanks to the heat it is possible to thoroughly clean the metal parts even from coatings that are difficult to remove and this therefore makes treatment in a pyrolytic oven more effective and faster than treatment in sandblasting or shot blasting machines; furthermore, the thermo-removal process is much less expensive than chemical pickling and other similar processes.

To avoid direct contact of the fire with the materials to be treated, in the pyrolysis chamber it is installed firebox, which is built in refractory material: the flame of the primary burner passes through it.

The plant is equipped with a system for energy recovery from the effluent gases into the atmosphere which allows, by means of a heat exchanger, to recover the heat that would otherwise be dispersed into the atmosphere and re-circulate it in the combustion process, thus guaranteeing considerable economies of operation.



A practical trolley in metal structure, designed and sized according to the specific needs of the customer, allows easy introduction of the materials to be treated.

On request, the TR ovens can be equipped with the latest generation PLC, for complete control, even remotely, of the system and of all treatment phases.

TR