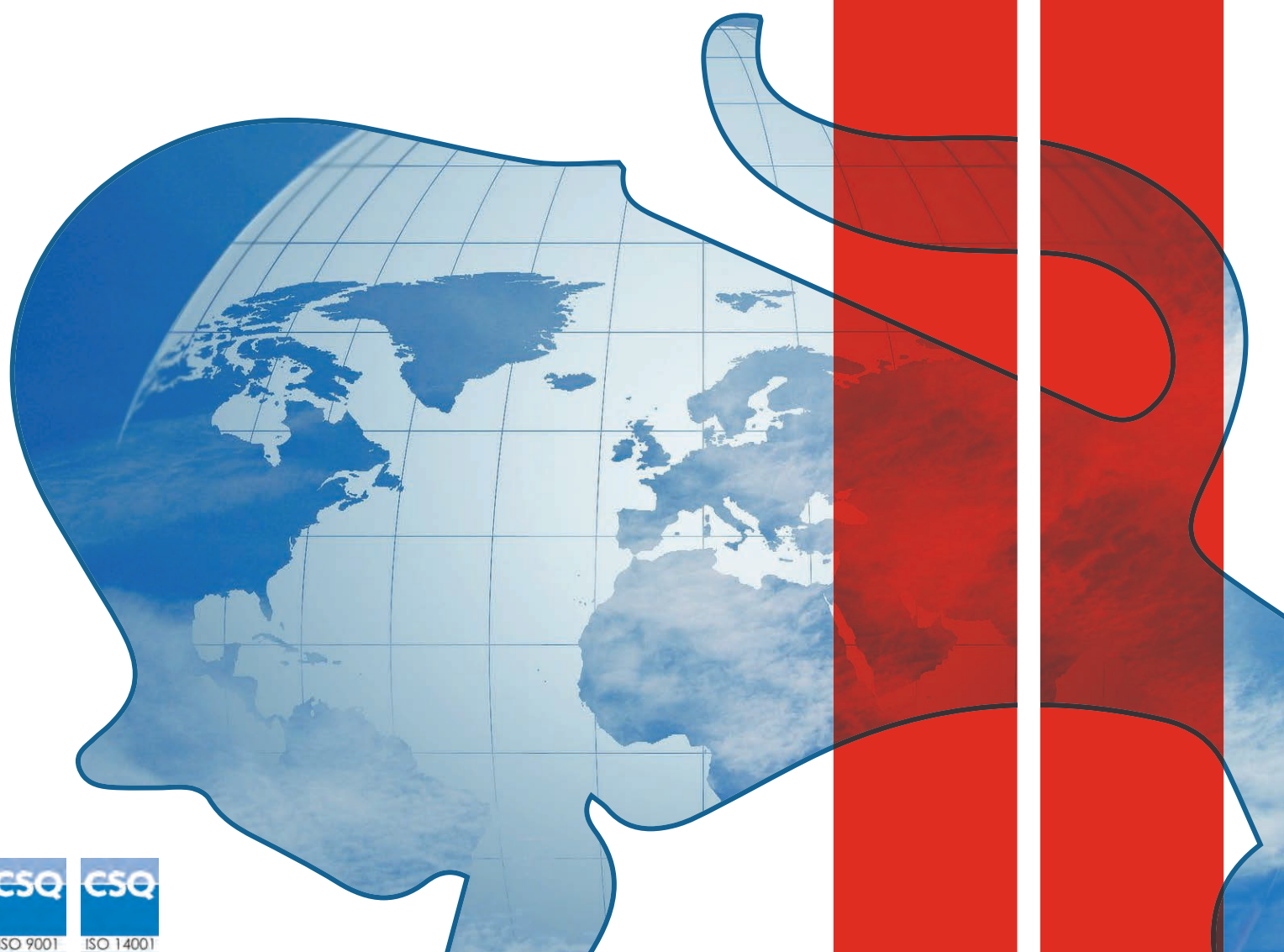


**FOR.TEC** SRL



# INCINERATORS MANUFACTURER

TECHNOLOGY AT THE SERVICE OF THE ENVIRONMENT



# COMPANY PROFILE

**For.Tec. Forniture Tecnologiche S.r.l. is** an Italian Company with 40 years of experience designing, manufacturing, selling and installing high-tech ecologic plants: our daily efforts, researches, studies and tests are directed towards the development of perfect solutions to all the problems arising from waste management.

Thanks to detailed engineering studies and skilled technicians' collaboration, we can offer a full range of incinerators for almost every type of waste, sophisticated crematories and new concept industrial ovens.

**The company comprises 2000 m2 production indoor area and more than 5000 m2 outdoor area and it is divided into departments as follows:**

- **GENERAL DIRECTION**
- **ADMINISTRATIVE DEPARTMENT**
- **SALES DEPARTMENT:** specialized sellers in incineration field give customers answers to all their doubts, they are ready to advise the most proper model of incinerator according to demand, they manage after-sales service and remote assistance. This department has a very efficient Export Office which handles an extensive dealer network and exports For.Tec. products in many Countries worldwide.
- **ENGINEERING DEPARTMENT:** a close-knit team of engineers and architects daily performs, with great professionalism, analysis of customers' specifications, feasibility studies, customized designs and tests; thanks to the collaboration with the Department of Civil and Mechanical Engineering of University of Cassino and Southern Lazio, we constantly develop new technologies to improve waste treatment solutions.
- **PRODUCTION DEPARTMENT:** skilled and experienced technicians implement projects and build up our incinerators and equipments with great attention to details, ensuring high level of security, high quality and shortest delivery times.



## We strive to fulfill each customer's needs:

we give the chance to **customize plants** with many optional equipments, such as automatic loading and deashing systems, wet scrubbers, dry depuration systems, heat recovery systems for hot water/hot-cold air/steam production and pollution control systems.

Our products are all fully CE Certified,  
our quality is **100% Made in Italy** and  
our incinerators are manufactured in  
compliance with the most restrictive  
construction, health and safety and  
environmental regulations.



The strengthening presence on the market of For.Tec. waste incinerators, corpses crematories, pet crematories and ecologic systems is an indispensable goal towards which all the efforts and best resources of the Company are continually directed.

In this perspective, For.Tec. Srl considers quality as a key strategic tool for the supply of products and services of absolute and certified reliability, efficiency and safety, in order to meet the Company's priority objective, namely customer's satisfaction.

The acknowledgment of our commitment to the quality research of our products has been awarded with the issuance of **International Quality Certifications**:



ISO 9001:2015 – IQNET  
ISO 14001:2015 – IQNET  
EN ISO 15614-1 A (Lloyd's Register)  
EN ISO 15614-1 B (Lloyd's Register)  
EN ISO 9606-1 A (Lloyd's Register)  
EN ISO 9606-1 G (Lloyd's Register)





# TR



**PYROLYTIC  
STRIPPING  
OVEN**



## ENVIRONMENT

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



## DESIGN

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



## TECHNOLOGY

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

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.

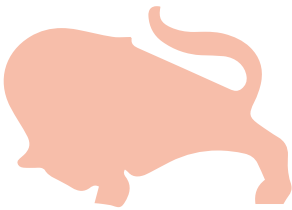
The plant is equipped with a system for energy recovery from the effluent gases into the atmosphere which allows, by means of a heat exchanger, to recover the heat that would otherwise be dispersed into the atmosphere and re-circulate it in the combustion process, thus guaranteeing considerable economies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



## ECOTEC

	U.M.	550	1500	2500	5000	6000 multi	8000	10000	12000 multi	15000 multi
Volume	mc	0,55	1,5	2,5	5	6	8	10	12	15
Burning capacity	kg/h	≤ 40	≤ 100	≤ 150	≤ 300	≤ 400	≤ 450	≤ 500	≤ 750	≤ 850
Loading capacity	kg/cycle	70	200	300	600	Only continuous loading	1000	1250	Only continuous loading	Only continuous loading

\* Only indicative and non-binding data, they may change, also significantly, according to the exact composition of the loaded waste

## EXCE OS

	U.M.	4	8	12	25	35	50	100
Volume	mc	0,4	0,8	1,2	2,5	3,5	5	10
Burning capacity	kg/h	≤ 25	≤ 50	≤ 100	≤ 200	≤ 250	≤ 300	≤ 500
Loading capacity	kg/cycle	60	120	180	375	525	750	1500

\* Only indicative and non-binding data, they may change, also significantly, according to the exact composition of the loaded waste

## ROTOMAC

	U.M.	1000	1500	2500	4000	6000	12000	15000	18000
Volume	mc	0,9	1,5	2,5	4	6	12	15	18
Burning capacity	Kg/h	≤ 100	≤ 150	≤ 200	≤ 350	≤ 500	≤ 650	≤ 750	≤ 1000
Loading capacity	Kg/cycle	200/350	300/500	500/900	850/1500	1350/2500	Continuous	Continuous	Continuous

\* Only indicative and non-binding data, they may change, also significantly, according to the exact composition of the loaded waste

## EXCE AN

	U.M.	4	8	12	25	35	50	100
Volume	mc	0,4	0,8	1,2	2,5	3,5	5	10
Burning capacity	kg/h	≤ 50	≤ 100	≤ 150	≤ 250	≤ 300	≤ 350	≤ 500
Loading capacity	kg/cycle	≤ 120	≤ 240	≤ 360	≤ 750	≤ 1050	≤ 1500	≤ 3000

\* Only indicative and non-binding data, they may change, also significantly, according to the exact composition of the loaded waste

# T-BULL

Incineration chamber volume	m³	12,17	Maximum potential of incineration burners	Kw	190 x 6
Loading volume in incineration chamber	m³	7,30	Post-combustion chamber burners	no.	2
Burning Capacity	Kg/h	up to 1000*	Maximum potential of post-combustion burners	Kw	319 x 2
Door's opening dimensions	mm	3900 x 1920	Indicative consumption of Diesel	l/h	60
Incineration chamber's dimensions	mm	3900 (Length) 1920 (Width) 1550 (Height 1) 1700 (Height 2)	Electric consumption	kW	2
Incineration chamber burners	no.	6	Power supply	Type	230v 50Hz
			Total weight	Tons	21

# FD 4.0

	U.M.	4.0
Volume	mc	0,80
Burning capacity	kg/h	<50 (classified as a low-capacity installation)
Loading capacity	kg/cycle	≤150
Fuel	type	Diesel/Natural gas/Lpg
Maximum total power of installed burners	Kw	490 (vers. Diesel) 475 (vers. Natural gas/Lpg)
Reference Standards	-	Regulation EU 142/2011 and Regulation EU 1069/2009

\* Only indicative and non-binding data, they may change, also significantly, according to the exact composition of the loaded waste

# FIDO 550

	U.M.	550
Volume	mc	0,57
Burning capacity	kg/h	≤40 (classified as a low-capacity installation)
Loading capacity	kg/cycle	120
Fuel	type	Diesel/Natural gas/Lpg
Maximum total power of installed burners	Kw	380 (vers. Diesel) 350 (vers. Natural gas/Lpg)
Reference Standards	-	Regulation EU 142/2011 and Regulation EU 1069/2009

\* Only indicative and non-binding data, they may change, also significantly, according to the exact composition of the loaded waste

# TR PYROLYTIC

	U.M.	2000 OR	5000 OR	12000 OR	20000 OR	2000 VR	5000 VR	8000 VR	12000 VR
Useful Volume	Mc	2	5,3	12,1	20,7	2,1	5,5	7,6	12
Internal Dimensions	mm	1000	1400	1600	2000	1200	1300	1500	2000
HxWxL		2000	2400	3600	4500	1200	2000	2200	2400
		1000	1600	2100	2300	1400	2100	2300	2500
Paint treatment capacity	kg/h	15	35	50	80	15	35	40	55
Loading capacity	Kg	320	550	700	850	320	550	650	700

\* Only indicative and non-binding data, they may change, also significantly, according to the exact composition of the loaded material





Hundreds of customers in the world have chosen our ovens!

## CUSTOMIZED SERVICES

- Feasibility studies
- Functional Layout
- Thermo fluid dynamics CFD simulations
- Assistance with authorization procedures
- Scheduled maintenance
- Remote assistance

## QUALITY



Certified Company  
Management System  
**ISO 9001:2015**



Certified Company  
Management System  
**ISO 14001:2015**