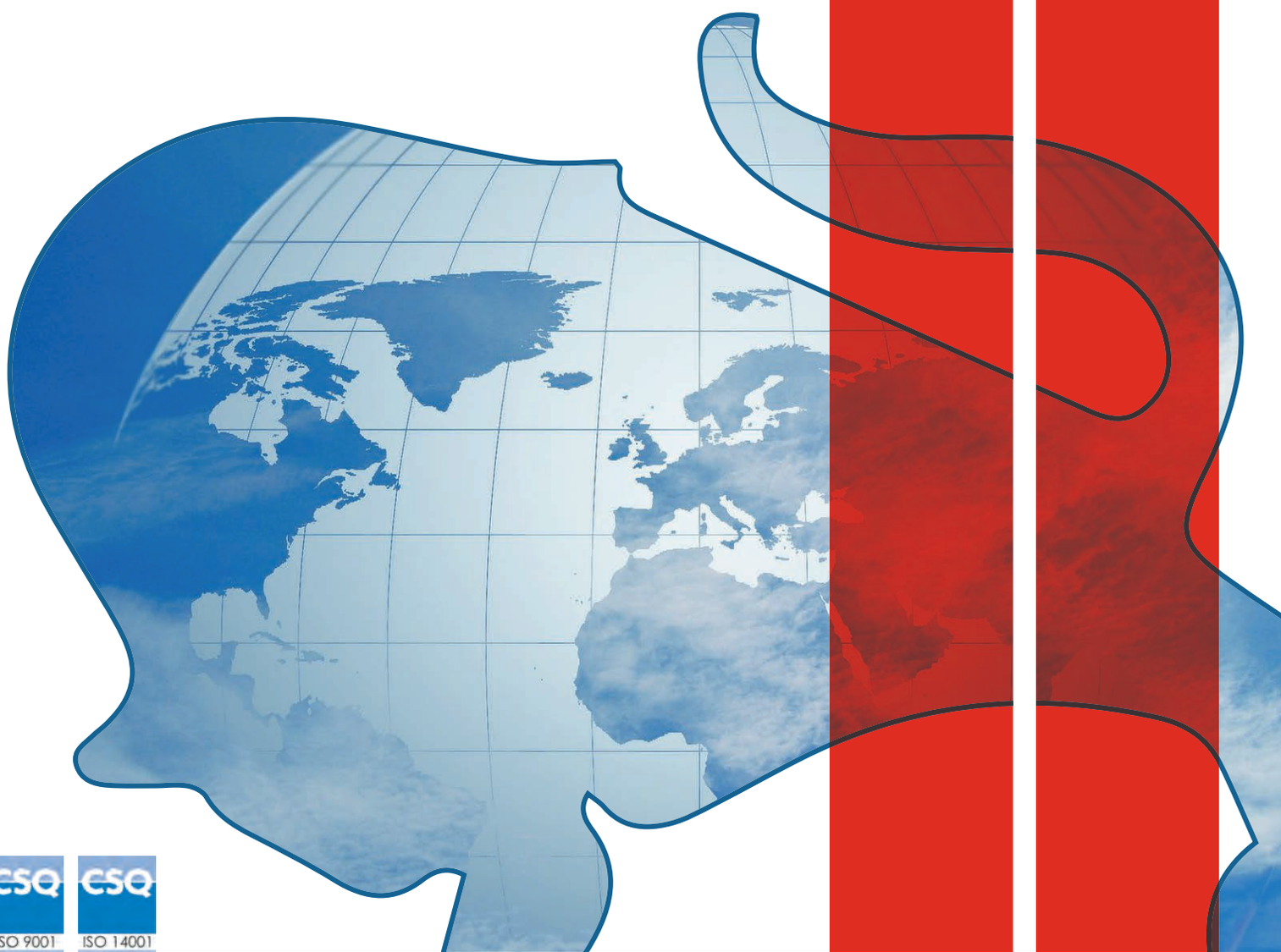
FOR.TEC SRL

INCINERATORS MANUFACTURER

TECHNOLOGY AT THE SERVICE OF THE ENVIRONMENT



CSQ ISO 9001 CSQ ISO 14001

fortec-inceneritori.it

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.


CERTIFICATION OF CONFORMITY

CE

MACHINERY DIRECTIVE 2006/42/EC

Manufacturer:

WE DECLARE THAT THE FOLLOWING PRODUCT:

Type:

Product name: Model:

Serial Number:

FOUNDS IN COMPLIANCE WITH THE FOLLOWING EUROPEAN DIRECTIVES:

- MACHINERY DIRECTIVE 2006/42/EC

-LOW VOLTAGE DIRECTIVE (DBT) 73/23/EEC-93/68/EEC

THE EMC 89/336/EEC (-92/31/EEC)

-EN221305 part 1 and 2

-EN 294

-EN349

-EN 563

-EN 60204-1

-EN62079-1

Sole director

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 (Loyd's Register)
EN ISO 15614-1 B (Loyd's Register)
EN ISO 9606-1 A (Loyd's Register)
EN ISO 9606-1 G (Loyd's Register)

EXCE AN

Incinerator for:
ANIMAL CARCASSES AND ORGANIC WASTE

TECHNOLOGY

Thanks to the FORTEC VOYAII microprocessor management system, the cycle is completely controlled and automated

DESIGN

The full-section upper door allows convenient loading of any type of waste.

ENVIRONMENT

The chambers are built in such a way as to ensure a perfect incineration process, complying with the most restrictive European and world regulations

The range of Exce AN incinerators represents in the wide variety of For.Tec. Brand products, the simplest, safest, most effective and fastest solution for the disposal of organic waste, animal carcasses, slaughterhouse waste.

Different versions with different capacities of the treatment chambers, ranging from a minimum of 0.4 to a maximum of 10 m3, allow to meet the needs of each type of application. Many farms, veterinary institutes, slaughterhouses, meat and fish processing industries and private food waste treatment companies, decided to equip themselves with an Exce AN incinerator to enjoy its many advantages: definitive elimination of waste and with them of bad smells, elimination of the risk of epidemics, reduction of soil and water pollution and significant improvement of cleanliness and health safety conditions.

Highly versatile and customizable, the **Exce AN** ovens are shaped in such a way as to allow easy introduction from the top of whole carcasses even of large animals and can be equipped with automated loading systems, with hydraulic piston, tilting or roller conveyor, which allow the handling of waste in complete safety and considerable fuel economy. These incinerators can also be combined with systems for heat recovery and for the production of domestic hot water or steam, which can be reused in your business and can be installed on trailers or inside containers, thus becoming mobile units.

The Exce AN incinerators boast high operational performance, extreme ease of use, great reliability, sturdiness and durability: the insulation of the chambers is made with a first layer of calcium silicate panels with a high insulating coefficient and a second layer of refractory concrete with a high concentration of Al2O3, resistant to temperatures of over 1500°C; the loading hatch cover is made with HT-Z ceramic fiber, with a density greater than 160 kg/m3, highly resistant to thermal shock, fixed by stainless steel hooks.

Thanks to the use of latest generation thermo-fluid dynamics simulation software, it was possible to study and build chambers shaped in such a way as to ensure a perfect incineration process, complying with the most restrictive European and world regulations, in particular:

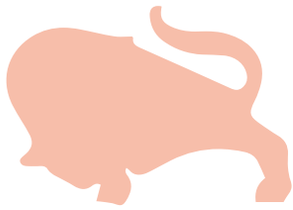
- In the incineration chamber the heat is distributed evenly, allowing the waste to burn uniformly at high temperatures (over 1000°C), thus eliminating any trace of pollutant in them and obtaining, at the end of the incineration cycle, only inertized ashes
- The effluent gases from the incineration chamber flow into the post-combustion chamber by means of a calibrated duct and are treated here at a temperature of> 850°C to carry out their complete oxidation, eliminating the VOCs and inhibiting the process of formation of dioxins and furans.

In the post-combustion of Exce AN ovens, full compliance with the operating parameters imposed by Regulation EC 1069/2009 and Regulation EU 142/2011 takes place, such as:

- **Minimum operating temperature: 850°C**
- **Gas residence time:> 2 "**
- **Free O2 content:> 6%**

EXCE AN

OVENS TABLES



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	**m^3**	12,17	**Maximum potential of incineration burners**	**Kw**	190 x 6
Loading volume in incineration chamber	**m^3**	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
			Power supply	**Type**	230V 50Hz
Incineration chamber burners	**no.**	6	**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

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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 HxWxL	**mm**	1000 2000 1000	1400 2400 1600	1600 3600 2100	2000 4500 2300	1200 1200 1400	1300 2000 2100	1500 2200 2300	2000 2400 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

FOR.TEC

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

CSQ ISO 9001

Certified Company Management System
ISO 9001:2015

CSQ ISO 14001

Certified Company Management System
ISO 14001:2015

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