

RM GROUP - ENERGY SOLUTIONS

INERTBOX

The Maldives Islands 2019 - TPI News

THE SOLUTION FOR A SEA OF WASTES!

INERTBOX offers a sustainable alternative to solve the waste problem in the most beautiful and isolated areas of the World

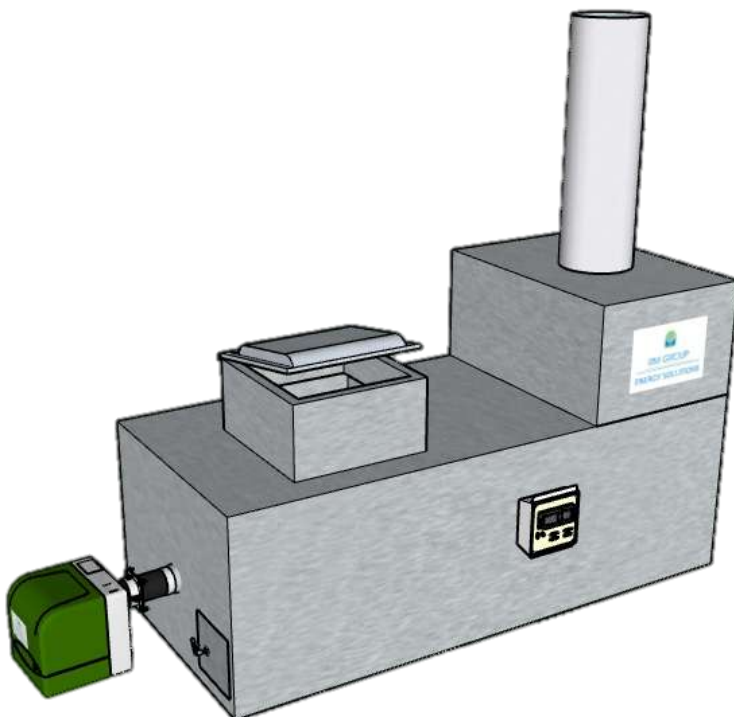
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DISCOVER INERTBOX

The micro-inerting system after thermal treatment are appropriate for Municipal Solid Waste, butchery scraps, and organic waste

Can be fed at the choice between Diesel, LPG, and Methane with an optional system for additional pollutant reduction, they are simple and intuitive, manageable from remote. the ashes are turned into granular cement conglomerate with great environmental compatibility for a variety of usages.



*Inert naturally
coloured at choice*



InertBox technical Sheet

The micro-inerting system are static chamber discontinuous furnaces with a loading from the top design.

The burner is connected to the main chamber that can be fed with different fuels: **diesel, LPG, and methane.**

We also offer a pollutant emission reduction "wet system" option.

The loading of the wastes must be performed manually, with a batch (discontinuous) operation of the machine, or automatically with the optional loading system.

The **control panel** manages all the operational parameters as loading, unloading, opening and closing, timing and temperatures and it can be supervised from remote, with a dedicated app available on **phones, tablets** and **PC** and an automatic phone dialer contacts the operators every time there is a notice or an alarm goes off.

The biggest micro-incinerator model has a vertical post-combustion chamber built to respect the actual anti-pollution rules parameters as:

- **Operating temperature:** $>850^{\circ}\text{C}$ $>1.100^{\circ}\text{C}$ based on waste type;
- **Contact time for gasses:** 2 seconds;
- **Post combustion free oxygen content:** 6-11%;
- **Hot and cold water**

After incineration in installed a granulator that, with specific additives, allows the production of **granular cement conglomerate** distinguished by very little dispersions, great environmental compatibility, high mechanical proprieties, and high durability suitable for the use in **environmental restorations endeavor**, as road's base course, envelopments, as filling material, and for the production of concrete and other **building materials**.





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