

## CRYOMATION ®

Cryomation has been designed as an environmentally friendly alternative to the traditional cremation and burial options that exist today.

The system was developed over four years in partnership with the research teams at the **Micro-Biology & Life Science department University of Hertfordshire, Hosokawa Micron BV and Air Products Plc.**

All steps in the process have now been tested and prototyped and the environmental results verified following an independent three month study conducted on behalf of **The Carbon Trust**. The company, winners of a 2010 **Shell Springboard Award**, is now moving to the pre-production build of the first Cryomator with locations being identified for commercial deployment.

### The Process

Cryomation is an automated system that uses **patented technology** to cryogenically freeze the body in its coffin using liquid nitrogen until brittle, the process then removes moisture, any artificial implants and crucially **ALL** bacteria, & viruses before using freeze drying techniques and a further process (patent pending), to return the remains as a safe and sterile powder.

An optional accelerated composting process can be selected returning remains as safe and nutrient rich ensuring that what is returned can itself, generate and sustain life.

### Environmental Advantages

Traditional cremation contributes to pollution by releasing a number of **poisonous emissions** including mercury. Cryomation produces **NO** emissions and the system has an operational CO<sub>2</sub> footprint reduction of up to **80%** compared to most traditional cremations

### Completing the *Ecological Circle of Life*

Cryomation can also save space providing more sustainable use of burial grounds. If burial is selected by the family, Cryomated remains return to soil in 6-12months, the burial plot needed is only **one third of the normal size** allowing the family to use the same burial plot again for future generations.



## Solving problems for Green Burial options

Many environmentally conscious burial grounds do not accept burial requests if embalming has been used with toxic fluids. **Cryomation removes this problem** leaving the remains totally safe, sterile, and free of all bacteria and viruses.

### More than just burnt ash

Traditional cremation **only returns 2½ percent** of the original body as crushed calcified bone (ash). Cryomation removes only the moisture returning remains in a pure and safe powder form.

### Planning consent

Cryomation's environmental credentials could **reduce the local planning challenges** commonly seen for traditional incineration.

### Size is not an issue

The Cryomator has been designed to **accommodate all sizes**. Not always the case with many older cremators.



For more information visit

[www.cryomation.co.uk](http://www.cryomation.co.uk)

Cryomation® is a registered trade mark

