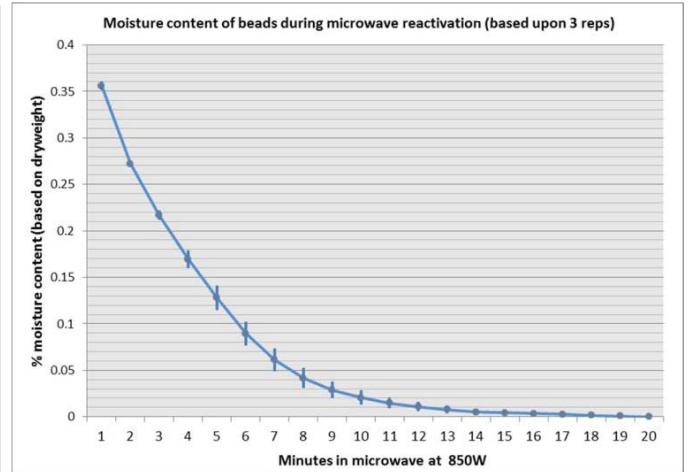
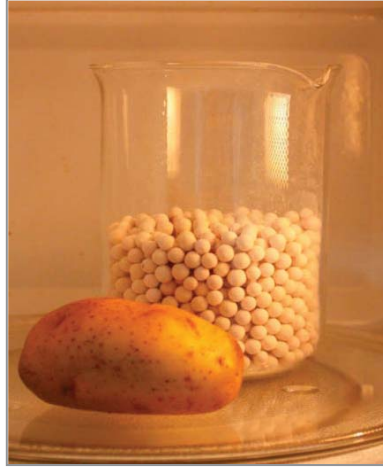
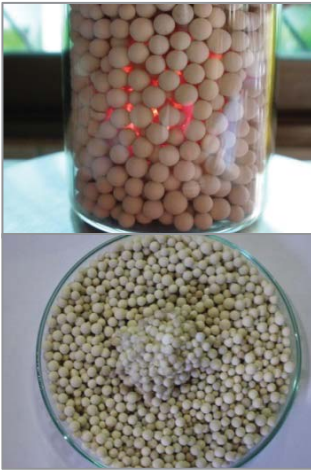


Re-activation of beads by microwave



A microwave can be an excellent device for regenerating small quantities of drying beads. A microwave is available on a worldwide scale and is more and more a standard appliance in most kitchens. A few precautions have to be made, because in the worst case you could heat up your beads to a temperature higher than 500°C and even melt the beads these precautions are:

- **Never put the beads in a layer deeper than 10 cm**
- **Stop regularly (every 8 minutes would be adequate)) in order to evacuate the moist air in the microwave (opening the door and closing after 15 seconds seems to be sufficient)**
- **Have a raw potato or another energy absorber in the microwave during the drying**

The easiest method for reactivating the drying beads is in a simple oven. A household (or a pizza) oven could hold 10-20 kg at one time, while a small bakery oven could have a capacity of 150 kg per run. These ovens can be equipped with different heating systems, mostly butane gas or electric or even combinations thereof.

A minimal temperature of 200-250°C should be reached for 2-3 hours. The containers should again be flat 5-10 cm bead layer is optimal) and should be equipped with a cover. This cover would enable the cooling of the reactivated beads in an open environment, without significant re-absorption of moisture. To store the beads, the simple answer is watertight. This can be a simple plastic bag with a special knot, a sealed bag, a laminated pouch, a plastic box (but not all plastic boxes are watertight), a glass jar or a metal drum, or even combinations thereof.



For further information contact: