

# HOSOKAWA HERALD



**SPECIAL  
DRYING  
EDITION**

No.16 May 2009

## A new era in Drying

Every day we are confronted with the continuous flow of information regarding the global warming caused by the increasing CO<sub>2</sub> emission. The ice on the poles is melting much faster than expected. The Polar bears will completely lose their living territory within one century and several islands will disappear below the sea level.

The world population is still growing and the total food consumption is increasing accordingly. For producing the hundreds of millions of tonnes of corn, wheat, soya beans, oats, rice etc., every year more land is required and forests are further sacrificed.

The drying of the basic food is mostly done by a natural air or sun drying.

For processing all these grains, other natural products and especially for the production of all chemical, non natural, products a tremendous amount of energy is required. Lots of production processes need watery phases. More than 15% of the energy used in the modern industrial world is used for drying. The importance of drying in the industry is also reflected in the large number of drying technologies which have been developed over the last centuries, all with their specific applications and limitations.

The drying technologies for solids which are presented in this issue of the Hosokawa Herald demonstrate the variety and level of development to which modern drying technologies are evolved: from the highly efficient Drymeister (DMR) to the unique Active Freeze Dryer!

With the present poor economical circumstances we find ourselves waking up in a new era with new requirements and opportunities. We enjoy collaborating with you to work on the challenging tasks ahead.

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