



March 2016

Introducing Hoogduin Preservation B.V.

We are pleased to announce that as of January 2016 we have added mass deacidification (with the Bookkeeper system) and freeze drying to our services under the name Hoogduin Preservation B.V. We can also provide cold storage. We have taken over these services from Preservation Technologies B.V. in Heerhugowaard/Krimpen aan de IJssel.

For the time being, production will stay in Heerhugowaard. All the work will still be carried out in the same equipment, with the same procedures, by the same employees, at the same location as Preservation Technologies B.V. used.

John van Dorsten, current managing director of Preservation Technologies B.V., will also stay on for the coming year in an advising/supervising role. This way we will make sure that all the knowledge and experience that is present within Preservation Technologies B.V. will be transferred to Hoogduin Preservation B.V.

Below, you will find a short description of deacidification and freeze drying. In the near future you will find more information about Hoogduin Preservation B.V. and our services on our website, www.atelierhoogduin.nl. In the meantime you can still visit www.ptbv.nl to find out more about the Bookkeeper process.

Our paper conservator Hilde Schalkx has been appointed to manage the new company. You can reach her at preservation@atelierhoogduin.nl or +31 (0) 6 23 49 30 32.

Calamities

Many institutions and companies have an emergency response plan, in which Preservation Technologies B.V. is listed under freeze drying and cold storage. Please update this information to reflect the new situation. The old telephone number should be changed to +31 (0)6 23 49 30 32.

We are confident that mass deacidification and freeze drying will be a valuable addition to the services we offer and look forward to assisting you in these fields.

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Mass deacidification and alkylation using Bookkeeper

Paper made from about 1830 on is often acidic, due to the way it was made. Acids cause paper degradation, which can lead to serious brittleness and yellowing. Very brittle paper can break into pieces at the slightest movement, preventing it from being used without damage.

To prevent this from happening, paper can be deacidified. One of the most used methods for (mass) deacidification is the Bookkeeper system.

The books or documents are placed into holders or cartridges and immersed in an inert fluid, in which small particles of magnesium oxide are suspended. The magnesium oxide neutralises the acids in the paper. The treatment also leaves an alkali reserve in the paper to act as a buffer for future acidic attack. Deacidification lengthens the useful life of the treated paper.

Books as well as loose files of paper can be treated in our machines. Large formats and special objects can be treated manually.

Freeze drying

Freeze drying is a way of drying frozen material, in which the water moves directly from ice to gas without turning liquid. The frozen material doesn't get wet again. The process is carried out under low pressure (vacuum).

Freeze drying paper and related materials is indispensable when a collection suffers water damage. Air drying large numbers of items takes up a lot of space and can result in an outbreak of mold if the material stays wet too long and air circulation is insufficient. Freezing the wet material can prevent staining, bleeding, distortion and in general wins time to make a plan for the full recovery.

Furthermore, for some materials such as coated papers, freeze drying is the only viable option when it comes to large quantities, as there is great risk of leaves becoming stuck together permanently when air drying. Freeze drying can also be used for photographs.