

NEWSLETTER 09 02

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Introduction

Ladies and gentlemen,
dear friends,

Economic situation

The uncertainty regarding the economic development causes many of our customers both in Europe as well as on the overseas markets to proceed very carefully in their planning and to adopt a short-term perspective. Further business development in the cartonboard and folding carton industries will strongly depend on the dynamics of private consumption. Advance purchases and the seasonal weakness in sales have led to a clear drop in the order numbers at individual MMK-mills. We believe that the economic revival will not commence before 2003.

Cartonboard market

*Positive development
of the Cartonboard
market*

During the first six months of 2002 consumption development was highly positive both in Europe as well as in the overseas countries. Volumes during that period clearly exceeded those for the first six months 2001 for GC, UC qualities as well as for GD, GT. In June, however, the increase in the deliveries of GD, GT qualities was determined by pre-dispositions because of the price increase. Sales in the MM-Cartonboard division are in line with the overall development.

Acquisitions MMK

In May 2002 MM-Cartonboard acquired a new board machine through the purchase of the Nikopol mill. The first trial production will commence in September. In the future this mill will serve the markets in Central Europe, Russia, and Turkey.

HACCP

*Top hygiene
standards at
MM-Cartonboard*

All our mills will have been certified by the end of 2002 which shows our pioneering role in quality management. MM-Cartonboard thus lives up to its responsibilities as market leader and also makes an important contribution to the safety and quality in the field of foodstuff packaging.

Global MM-Board

*Still better
information
for our staff*

The launch of the "Global MM-Board" Intra-/Internet platform provides our staff with topical information around the clock.

We will soon start our regular information service to keep you updated about the most recent publications in specialist and market magazines.

On behalf of the MMK-Marketing & Sales Team
Yours
F. Rappold

NEWS



Symposium Beograd 2002

The cartonboard processing industry as guests of MM

The "Symposium Beograd 2002" was held on 23.05.2002 at the Hyatt Hotel in Belgrade. Rudolf Permoser, MM-Cartonboard's competent market manager, has invited the principal partners from the cartonboard processing industry as well as important final users from the pharmaceuticals, cosmetic, and confectionery industries to the event.

Together with the agency Drava Trading from Klagenfurt the MM-Cartonboard sales management introduced MM-Cartonboard, a company with operations all over Europe. TKS Manager Gunter Klimpel informed about the variety of the vast range of products as well as the general possibilities in the manufacturing of folding cartons (printing, stamping, gluing).

The relevance of the event for the Yugoslav economic area was underlined by the Austrian Foreign Trade Delegate Dr. Herbert Preclik, who joined us to welcome the guests. Interesting presentations and vivid discussions made this kick-off event a true success.

After the event the MM-team was asked to give an interview for state television which broadcast extracts as part of a business magazine. The event was a huge success in every respect!

Soccer World Championship Prize Game 2002

Lucky winner from Stuttgart



Our Internet prize game on the occasion of the Soccer World Championship produced the following results:

Participants:	125
Correct bet Brasil:	27

The winner of our first prize, a weekend at Baiersbronn for 2, is **Birgit Buchholz from Rotopack in Stuttgart**.

All other winners receive an illustrated book on the World Championship.

Letter



Technical Specifications as PDF files for Downloading

Cartonette Release 07/02

Improved version

An updated version of cartonette has been available at the addresses already known since the beginning of July 2002:

- www.cartonette.com
- www.mm-karton.com
- www.mm-community.com

New features of the current version

1. KIT- and Cobb-values have been added for all special qualities.
2. All Technical Specification sheets can be printed directly from the cartonette as PDF files. The layout of these data sheets is exactly the same as that of the data sheets sent out by GMS. In case of problems please send an e-mail to

guenther.loidhold@mm-karton.com or
georg.nashef@mm-karton.com

We are looking forward to receiving your proposals for improvements also in future!

NEWS



Manufacturer of the folding box:

Albert Frey KG, Kartonagenwerk
Fabrikstrasse 1-5
D-87742 Helchenried

Steam resistant cartonboard from Deisswil

*Climate-resistant
cartonboard*

KARTON DEISSIL launches a new barrier product for packaging all types of paper. It is part of the group of **Swissboard** recycling cartonboards, has a **grey reverse**, and undergoes further steam resistant processing.

Technical data

- surface weights 450 and 550 gm²
- steam resistant on the reverse with a measured value of 170 g H₂O/m² in 24 hours
- printability – the printability of this product is absolutely comparable with that of a GD/GT-cartonboard
- the good glueability of the cartonboard is guaranteed, an optimum solution has been established with a reputable glue supplier

*Huge market
opportunities
for copy paper
packaging!*

Deisswil sees a huge potential for this cartonboard in the copy paper packaging segment as it is no longer necessary to go through the elaborate process of applying special papers as a protection against climatic influences. The disposal of empty boxes equally poses no problem. They may either be returned to the cycle or be burnt or dumped on a land-fill. When burnt the cartonboard is CO₂ neutral and does not contribute to global warming.

Further information

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E-mail: sales.deisswil@mm-karton.com

MM-Cartonboard informs

CONTI AIR® PRESTIGE - top compressible

*New blanket
produces excellent
results*

ContiTech with headquarters in Northeim/D have developed a new blanket that guarantees excellent printing properties on folding cartonboard. The positive properties of this new development include low point growth, no additional compressible bases, as well as the preservation of the physical properties of the cartonboard (e.g. stiffness).

Practical experience has shown that these blankets even tolerate so-called crumpling resulting from folded sheets or double sheets and printing problems cease after two to three sheets.

If this blanket is worth a trial for your company please contact ContiTech in Germany (tel.: +49 (0)5551/702-149 or at www.contair.com) or the representative for your area as well as the central technical customer service of MM-Cartonboard GmbH in Frohnleiten. (e-mail: gunter.klimpel@mm-karton.com or +43 (0)3126/2511-110).

New UV-paint from TERRA LACKE / Joachim Dyes Lackfabrik GmbH:

TERRAGLOSS UV gloss paint G 8/218 FNVK

*New paint produces
impressive results*

When traditional UV-paints are used all folding cartonboard qualities tend to grey (tinge of grey) or yellow (tinge of yellow) especially in colour-free zones. So far improvements could only be achieved through primers (pre-paint).

The newly developed Terra Lacke UV gloss paint TERRAGLOSS G 8/218 V FNVK largely manages to limit this problem even without a primer if UV-paintable paints (including hybrid paint) are used.

Print and paint tests with 16 different types of folding cartonboard from GC2 to GD3 by MM-Cartonboard have produced impressive results.

For further information please contact the Terra Lacke specialists in Germany (e-mail: Dyes-gmbh@terralacke.de or tel.: +49 (0)5132 50090) or our central technical customer service department in Frohnleiten (e-mail: gunter.klimpel@mm-karton.com or tel. +43 (0)3126 2511 110).

Hygiene certificate for MM-Cartonboard

Top hygiene standards of MM-Cartonboard

Quality is a salient strength of our company. The certification of our Frohnleiten mill since 1990 pursuant to ISO 9002/9001 (quality management) and pursuant to ISO 14001/EMAS (environmental management) since 1996 testifies to our pioneering role in quality management.

Much of our cartonboard is delivered to the sensitive foodstuff and pharmaceutical industries which is why we need to comply with rigid hygiene requirements. Only the INREKA-HACCP-Standard hygiene management system allows us to meet these salient qualities.

This standard is based on the RSH (Royal Society of Health) standard and fulfils both the sector requirements as well as the BRC/IOP standard of the British foodstuff industry. It was developed by INREKA (Interessengemeinschaft für Recyclingkarton) as a joint basis for the entire European recycling cartonboard industry. The HACCP system far exceeds standard quality requirements and includes sensitive parameters such as personal hygiene, foreign body and glass control, cleaning cycles, pest control and microbiology.

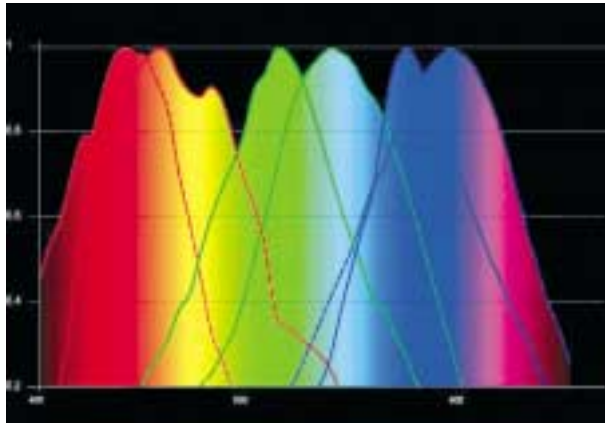
Trust is not enough....

This quality standard is controlled by ISEGA Aschaffenburg. A detailed analysis of the documents is followed up with inspection tours of the mills.

The Baiersbronn, Frohnleiten, and Deisswil mill were the first certified sites of the MM-group, all other sites will follow before the end of 2002.

Mayr-Melnhof Karton thus lives up to its responsible role of market leader and pioneer. With this we also provide an important contribution to the hygiene of foodstuffs!

Letter



Near-InfraRed-Spectroscopy (NIR)

New measuring technique based on light wave conductor technology

Our research and development team at the Frohnleiten mill has yet another abbreviation. NIR stands for Near-InfraRed-Spectroscopy and for about a year has been a hot issue at many meetings and symposia. Experts predict a great future for this new measuring method. All samples including liquids, suspensions, dispersions, waxes, pastes, powders, films, etc. can be analysed directly without any further preparation. Smart software is the basis for simple, secure, and highly automated operation, the light wave conductor technology makes it possible to separate the measuring head and the analysis machine.

In a first step this instrument will be used for incoming goods at MM

Since the beginning of the year the project of building up a database has been under way at Frohnleiten, the objective being to provide a more rapid and simpler definition of all incoming materials. This test secures the defined quality criteria, analytical values are continuously assessed by the production team - a new way to assure the constant quality of our cartonboard!

NIR-systems are mainly used for the control of incoming goods. Both in the pharmaceutical industry to measure oils, waxes, or sugar, but also in the foodstuffs industry to identify the fat and oil contents. NIR-technology, however, is also used by the paper industry for raw material testing, but according to the specialised literature it can also be used for process monitoring.

News

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