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## More than 40 registrations already received for TV



*The International Trade Fair for Textile Finishing and Promotion will again feature an attractive range of products and services and an extensive accompanying programme in 2008*

12 months before the start of the 5th International Trade Fair for Textile Finishing & Promotion (TV), over 40 exhibitors have already confirmed that they will be attending the industry mee-

ting-point for textile printing, embroidery, flocking, transfer printing, textile promotion and merchandising. The trade fair will be held for the first time at the New Stuttgart Trade Fair Centre from 25 to 27 January 2008. According to the organisers, gmk Veranstaltungsservice GmbH and Messe Stuttgart, TV will attract visitors from Europe and other continents to Stuttgart through an extensive accompanying programme featuring, for example, the staging of the new competition for the “Golden Shirt Award”.

Exhibitors at TV Textilveredlung & Promotion regard the trade fair as the leading European event for textile decoration and textile promotion. Over 40 exhibitors have therefore already registered for the trade fair at the start of 2008. They



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include the following companies: Falk & Ross Group Europe, Aulenbacher, Amann & Söhne, Karl Gröner, Hakro, Madeira, Promodoro, Print Equipment, Heinz Walz, Mountek, Walter Schulze, Hebbecke and New Wave.

“Golden Shirt Award” enters the next phase with a new topic. In addition to a fashion show, the TV Technical Forum, various special shows, talks and other key topics, the extensive

accompanying programme of TV will again include the “Golden Shirt Award” which will be presented for the fourth time by the media partner of TV, i.e. the trade journal “TVP *Textilveredlung & Promotion*”.

The motto of the competition will be “*Mix 'n' Jet it*”. The challenge for all competitors will be to combine innovative digital textile printing (inkjet) with at least one of the traditional finishing techniques of embroidery,

printing (silk-screen and transfer printing) and flocking. The techniques can be demonstrated on shirts, all kinds of clothes, flags, etc.

The winners of the Award will be chosen by trade visitors at TV. Cash and non-cash prizes to the value of 10,000 Euro will be presented to the winners. The closing date for **registration** is **14 September 2007**. The closing date for **competition entries** is **1 November 2007**.

OT (Red.)

## 19th International Flock Symposium in Berlin



Already in our last FLOCK-News we started to introduce some lecturers and their lectures in a short version. This we'd like to continue in our today's issue. Please note that the full version of the lectures will be printed in the manual which will be handed out to every conference participant. Should you not yet know the entire program you may download it from here.

**+++ Make sure to receive the early-bird discount by applying well in time +++**

Already some of the participants have inquired about a program for accompanying persons. Therefore, this office has contacted the concierge at the Hotel Schweizerhof, who will have ready proposals for interested parties. Especially the „**Big Berlin Tour**“, which is being moderated in two languages and brings the participants to the highlights of the German capital including the government area will, according to our information, be of special interest. If you are interested, please get in touch with the concierge directly by phone at the Hotel Schweizerhof **+49 (0)30 26 962 400**

## „Modern shaped parts flocking with series of medium and large numbers“

*Dipl.-Ing. (FH) Ulrich Büttel,  
Maag Flockmaschinen GmbH  
Gomaringen (D)*

In the past years, automotive interior parts with flocked surfaces have been used in increased numbers. Often these parts were processed in large quantity-series mostly with just one kind of flock. Meantime, flocking is carried out in different sized batches with different flock colours and flock qualities. And on top of this, parts are manufactured in several variations. For instance, with glove

boxes it means that there are left-wheel and right-wheel driving variations as well as with or without inside storage space and additionally several colours. In order to justify all these requirements on different geometrics and flock qualities the flocking plants have to be adapted to this trend. For this, the construction concepts for plants have to be more versatile and flexible for which part of the solution might be

1. Expanding the plant concepts by adding a robot flocking step.
2. Modular constructed flocking systems with or without the use of a robot.

3. Combining flocking equipment of different automatic degrees with a continuous belt dryer.

4. Separated flock dosing and reverse transport cycles for different flock qualities in one plant.

5. Several concepts for a quick flock change.

Apart from presenting differentiated plant concepts the possibilities of a later expanding or renovation will have to be more thoroughly explored. Here, the main topic for the lecture, for instance, will be the example of a realised customer project.

*Dipl.-Ing. (FH) Ulrich Büttel*

*Ulrich Büttel studied machinery construction at the trade college in Reutlingen.*

*After some years as free-lancing construction engineer, together with a partner he founded an engineering company specialising in the developing and manufacturing of automated special machinery. By the end of 1998, Ulrich battle purchased a share at Messrs. Maag Flockmaschinen GmbH, which leadership he took at beginning of 2000 by becoming managing director and associate. Mr. Büttel is active member of the work group AK 239.01 in the VDE.*

**„No invention – you’re not mentioned“  
- Patents, Trademarks, Designs in Germany and Europe -**

*Dipl.-Ing. Klaus Schieschke  
European Patent and Trademark Attorney, Munich (D)*

In the lecture, a brief explanation is given as to which industrial property rights are made available by German and European legislature in order to

protect one’s own ideas and new technical developments on a national and/or European level.

These industrial property rights may be divided into three groups: The first group – patents and utility models (in Germany only) – serves to protect technical inventions; the second group – designs – protects new aesthetic creations of form; by the third group, via the trademark law, signs for goods and services are protected.

With the aid of examples, a brief survey of protection by patents,

trademarks and designs in Germany and Europe is given, and possibilities of avoiding the infringement of rights are shown.

**Patent Attorney Dipl.-Ing. Klaus Schieschke**

*After completion of his college studies, Klaus Schieschke was active as an academic assistant at the TU (Technical University) of Dresden in the specialist department of textile machine construction. This was followed by employment for several years in the construction department of a Munich company. Subsequently, Mr. Schieschke began his training as a patent attorney in the Munich patent attorneys’ office Eder & Schieschke. He was active there from 1970 to 2004 first as a partner and then as the senior partner. Since 2005, Mr. Schieschke has been working as senior patent counsel for the patent attorneys’ office Eder & Schieschke. Mr. Schieschke is an authorized representative at the German Patent and Trademark Office/Munich, at the European Patent Office/Munich and at the European Trademark Office/Alicante, Spain (Office for Harmonization in the Internal Market). He has undertaken several occupational journeys abroad and participated in congresses in the USA and Asia (Japan, Korea, the People’s Republic of China, Taiwan). Since 1997, Klaus Schieschke has been a lecturer for patent law at the economics faculty at the TU Chemnitz.*

## „Procedure to activate the surface“

*Dr. Carsten Rehwinkel  
Fluor Technik System GmbH  
Lauterbach (D)*

The adherence of the adhesive onto the substrate surface is of central importance for the flocking process. If the adherence is not sufficient, the adhesive with the flock fibres may be easily removed from the surface or the flocked surface might be damaged with only little mechanical wear. Especially with the flocking of plastics, one has to note that some plastics surfaces tolerate only little adherence or none at all. This normally is the case with low energetic and unpolare surfaces the examples of

which are Polyethylene, Polypropylene and also EPDM.

Such low energetic surfaces require a pre-treatment in order to achieve a good adherence of the adhesive. For such a pre-treatment several procedures are available, which are – for example – flaming the surface, the use of different plasma or by fluoridation which activate the resp. surface. All those procedures have one in common as the surface is chemically changed which effects a rise of the energy and the polarity of the surface. This may be measured by using test inks or by determining the edge angle. Such activated surfaces usually carry a good adhesion to several adhesives. Sometimes the requirements for an ad-

herence are so high that once in a while even adhesives are pre-treated on which a proper adherence is possible even without a pre-treatment.

Which pre-treatment method is best and most economic depends on several facts:

- On the geometry of the parts in question and on their size.
- On the quantities and batch sizes to be treated.
- On the materials to be treated.

If a pre-treatment is necessary, it is recommended to early check the different processes for a surface activation and to evaluate those technically and economically.

### *Dr. Carsten Rehwinkel*

*Dr. Carsten Rehwinkel, born in 1966 in Lüneburg, Germany, studied chemistry at the Technical University Clausthal, Germany, and promoted at the Technical University at the Institute for Macro-molecular Chemistry and Textile Chemistry. Its dissertation with the goal to develop a new procedure to arrange the surfaces of per-fluoride plastics – such as polytetra-fluorethylene (PTFE) for instance – in an adhesive friendly manner, was the introduction into the topic of surface pre-treatment of plastics as well as the common analysis methods to their surface characteristics.*

*From 1998 to 2004, Dr. Rehwinkel worked in the chemical development department with Messrs. Gottlieb Binder GmbH & Co. KG, in Holzgerlingen, Germany. Topics of his work during this time, apart from the general development of new products, was equipping existing products with adhesives and coatings including the necessary surface pre-treatments.*

*Since 2004, Dr. Rehwinkel is employed by Messrs. Fluor Technik System GmbH, as application technician. Fluoridation is a process to activate plastics surfaces in order to achieve high-quality adherence, paintings and coatings onto plastics. Moreover, fluoridation also acts as added value as several plastics surfaces are increased in their haptic, their tri-biological features or other characteristics required for special applications.*

## Flocked paper for the New Year

Latest since the award-winning front page of the design magazine form no. 203, in which was extensively reported on the flock technology and the flock-project carried out together with the Association of the Flock Industry Europe (reg.), and the design offices "speziell produktgestaltung", flocking of paper, wall paper,



card board or book covers experience a new upswing.

Not only during Christmas season but especially there, one encounters many examples of a high quality paper flocking.



And the office as well received flocked greeting cards such as – for example – the following Christmas card from Messrs. Kissel + Wolf GmbH, manufacturer of industrial adhesives and flock adhesives as well.

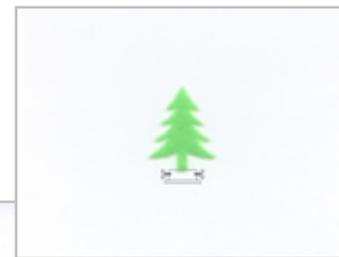
An entire sample collection we received from our member FLOCK-TEC Technische Beflockungen GmbH which at that time also flocked the front page for form. Apart from the greeting card with a Christmas motif of the company itself, it shows that many designers and marketing experts use the element flock consciously in order to transport their message to their clients haptically.



So this year, the „berliner congress center“ (bcc) distributed its best wishes for the new year on flocked cards. Thus, the velvety red flocked upholstery fabrics demonstrates pleasant warmth and well feeling which surely one likes to use during a meeting.



The popular specialist for extraordinary designs „anthologie quartett“ 2006 choose a



flocked Christmas greeting. The directly flocked Christmas tree shall surely prepare for some and other special products

in the new collection. We very much hope to be able to report on this in our next issue. The design of this Christmas card originated from „speziell produktgestaltung“, which designers are very well known within the flock industry.

A lot of calendars with the most diversified topics appear



on the market for the new year. A calendar with the motto „with all senses“ includes a calendar sheet with a partially flocked cat's head. This picture really tempts one to caress it. And that is intended as this month is dedicated to the sense of touch.



And the wall calendar of the Spanish flock manufacturer Velutex traditionally carries a flocked space which is printed afterwards which always encourages to touch it. This year's sheet mentions the 60 years long experience of the company in the flock industry. You see, there are many good

reasons for the use of flocked paper. We do hope to again prove this year to you that this is not only the case for starting the new year.

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