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English

Z-INFO

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ZIEGLER
P A P I E R

www.zieglerpapier.com



DEAR READERS

Genuine quality does not end with the flawless production of the paper. Although the desired quality of the product is guaranteed by being manufactured on high-tech production equipment, it must still afterwards pass through several further processes to ensure that it is in the form (cut sheet or roll) and packaging that the customer requires. Top priority must always be given to making certain that packaging is appropriate for the product in question. On the one hand, it must give the product optimal protection against fluctuations in humidity, dust, light, etc. while on the other it must also look attractive to the recipient. At Ziegler Paper Mill, we are very conscious of these aspects and in 2005 we have made great progress in the processing of paper alongside that made in product development. We are extremely pleased to inform you that from December

2005 on Ziegler Paper Mill will be able to meet all your demands in respect of smaller formats from A4 to A3+ thanks to its new state-of-the-art cut-size sheeting and wrapping line. Thanks to the investment made in this equipment – which is described in greater detail in this issue of Z-Info – we will be the first paper manufacturer and finisher in Switzerland who can finish the entire range of small-format cut-size papers on one line to meet the specific requirements of our customers – with perfect trimming and wrapping. We are confident that this investment represents a very important, innovative and forward-looking step. I wish you entertaining reading with this latest issue of Z-Info. Yours truly
Josef Beyeler, Head of Finishing

CORPORATE DESIGN

New: Z-Bond Classic now in 170 g/m².

Our super-white, multifunctional Z-Bond Classic business paper, which was already available in weights from 40 to 150 g/m², can now also be had in a 170 g/m² grade. We are therefore ahead of market demand by now also supplying Z-Bond Classic, our premium-class preprint paper with the ideal moisture content for laser printing and copying, in a 170 g/m² card weight. Once more, this paper from our Corporate Design Line with its agreeable feel lives up to its excellent reputation as an all-rounder for comprehensive top-quality communications solutions.

New: Z-Offset card for preprint applications

The 150 and 170 g/m² weights of Ziegler Paper Mill's top-grade Z-Offset are now available with properties that make them the ideal choice for copier and laser preprint applications. This enables printers to meet customers' ever-growing demand for card-weight preprint stock that satisfies the highest requirements in respect of super-white finish, constant high quality and opacity, while offering 1.35 times the bulk. The full range of Z-Offset basis weights (from 80 to 400 g/m²) is now available in a uniform shade.

NATURAL DESIGN

New FSC papers from Ziegler Paper Mill from September 2005

Since September 2005, Ziegler Paper Mill has been certified in compliance with FSC COC standard FSC-STD-40-

004. Ziegler works in accordance with the FSC credit system and manufactures FSC products with the FSC mix label. This makes the company one of the first paper mills to receive certification in compliance with the new SQS standard (Ziegler had already had FSC COC standard certification since 2004). As from September 2005, the company's Z-Bond Classic (with the exception of 40/50 gm) and Z-Offset (with the exception of 110 gm) is available in an FSC option. For the time being, however, these new qualities will only be produced to meet specific orders and at a small supplementary charge.

CAD/OFFICE

Improved heavier weights.

Z-Laser Color is a copy paper for colour copiers and has already been described in detail in an earlier issue of Z-Info. As we were aiming to position this product in the premium-quality class, we introduced two major enhancements during the first six months of 2005. First, we modified the surface and improved its electrostatic properties (toner uptake for the heavier weights); second, we improved surface scar by eliminating the border areas and using a new felt.

For further information see

www.zieglerpapier.com/en/home/prd-cad-lasercolor.html

Z-Plot 650, new test series on Kodak Versamark VX 500.

The triumphant progress of Z-Plot 650 on Versamark machines represents a worldwide success for Ziegler Paper. Now that we have introduced this product in practically every country in Europe, demand is also increasing worldwide. In the meantime, containers are heading not only for the USA, but also to Australia, China, Taiwan, Thailand and Malaysia. For details of the product and its applications, please see www.zieglerpapier.com/kodak

Z-Plot 450 in 140 gm for dye sublimation on Gandinnovations machines and collaboration with Beaver Paper in the USA.

Beaver Paper is an innovative dealer in accessories for the textile industry and a supplier to the digital dye-sublimation sector. When the regular supplier of oil-based systems dropped out, we rapidly developed a version for large-format printers that is able to print textiles and other substrates in the dye-sub system. Beaver is marketing this product for Ziegler on an exclusive basis in USA. The result is that Ziegler paper is being used, for example, on 320-cm wide ink-jet machines from Gandinnovations.

SPECIALTIES

New design for Z-Script .

The Z-Script line is as much a part of the Ziegler range as the colour green in our corporate logo. For decades, this calendered paper has been produced in large quantities. First as a printing paper before coated papers, later for use as index card stock, for exercise books, transfer, calender and pen plotter applications and as a coating base paper. Although all these uses are still called for, they have not increased in volume. For several years, however, we have been observing a trend in the market towards designer papers with a special natural feel to them, coupled with excellent printability. And this is the objective we have in mind for our new modified Z-Script! Keeping the same shade, we will be slightly reducing the calendering of the surface. This will produce an enhanced paper that combines the benefits of broken white with an elegant smoothness and homogenous surface. Additional improved surface treatment will ensure excellent offset results with brilliant colours and low dust development. Initial testing with 80/90 and 180 gm² weights has produced

outstanding results. We are planning to introduce the new Z-Script as from January 2006. This brings the advantage of allowing existing customers to continue using Z-Script for their usual applications, while Z-Script will henceforth also be marketed as a design paper. This offers merchants with their own stocks of Ziegler papers the chance to add another string to their sales programme.

Z-Release launch and first successes.

Z-Release C1+2S is a double-sided clay-coated release liner from Ziegler. You will find its specifications at www.zieglerpapier.com. Its market launch is now taking on momentum: two major customers have been won in both China and Taiwan, while in one European country the third contract has already been signed and others will be following. This Ziegler product shows very little difference in surface finish between the wire and felt sides and thus offers a special property that is not readily found elsewhere on the market today. It is used in a number of demanding medical applications, in the manufacture of top sporting articles and in aircraft construction.



IN BRIEF: COMMISSIONING OF MODERN CUT-SIZE SHEETING AND WRAPPING LINE.

The paper made on our PM 3 paper machine is produced as both rolls and sheets to meet the specific requirements of our customers. The technical equipment on our slitter-winder and large-format sheet cutter ensures that this is performed efficiently. As demand for cut-size paper is growing constantly, we are doing more to satisfy this development on the market. Hand in hand with this, there is an increase in demand for final formats to be supplied as wrapped reams. For this reason, after very careful evaluation, we will be commissioning an automatic cut-size sheeting and wrapping line in the near future designed to meet the

specific requirements of Ziegler Paper Mill. This will mean that Ziegler Paper will soon be able to do away with the unsatisfactory solution of having to rely on the services of outside converters at times of peak production.

Theoretically, we could manufacture during the average 7,500 production hours of the PM 3 paper machine per year no fewer than 18 billion sheets in a final A4 format. Packed in 500-sheet reams, this would represent a volume of 36 million packets. In reality, the new cut-size sheeting and wrapping line will allow us per shift to trim up to 15,000 kilograms of fine and special papers in weights of 60 to 250 g/m² to produce A4, A3, A3+ and SRA3 formats and package the sheets tightly in paper-wrapped reams. And that is already

quite an amount in itself. The tight wrapping is a plus point for the presentation of the reams in the marketplace. A further advantage lies in the precise register control of the length of the packing paper that is cut, which ensures that the printing on the wrapped reams is always in the correct position.

The sheeting and wrapping line consists of an up-to-date cut-size sheet cutter together with the wrapping machine and collector station for the stacked reams. Longitudinal cuts are performed in a maximum of three movements followed by the cross cut. As the collector station works without grippers, there is no risk of the top-quality Ziegler paper being accidentally marked in any way. The stacked reams –

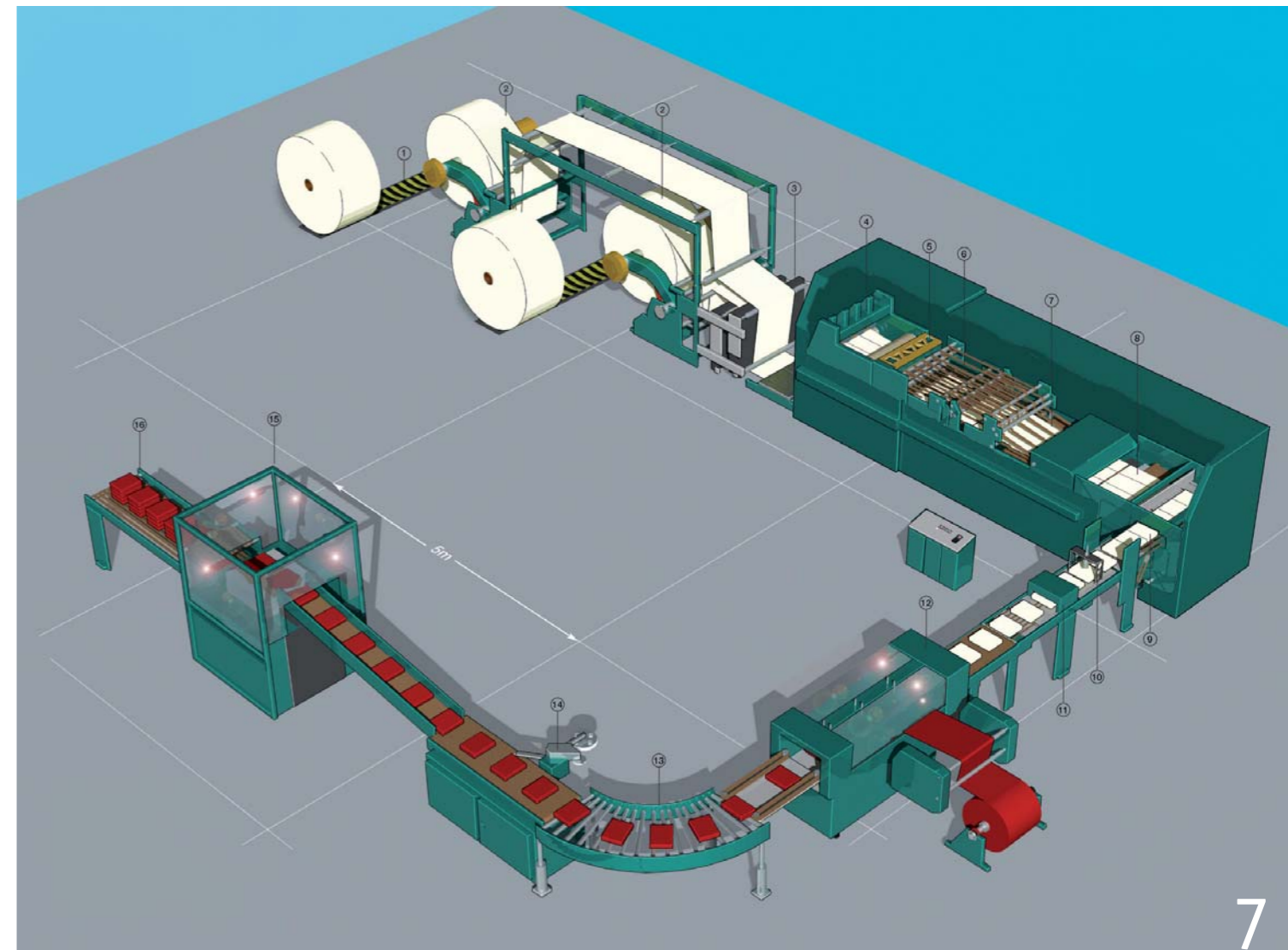
prevented from slipping by means of short-term ionisation – are transported to the wrapping machine, where faulty reams are automatically checked and ejected. Reams can be wrapped either in paper or in PP film. The wrapped reams are then labelled and stacked for storage and transportation.

This sheeting and wrapping line provides Ziegler Paper with an extremely efficient answer to the increasing call for ready-to-use cut-size paper formats and further enhances the comprehensive range of services that we offer to our customers. Ziegler papers can now be supplied direct from Grellingen both in a variety of different roll widths as well as in cut sizes from A4 to large formats of max. 120x150 cm.

Ziegler Paper is meeting the demand from the market for more cut-size papers by commissioning the sheeting and wrapping line illustrated here (picture: Bielomatik).



- | | |
|------------------------|---|
| 1 Reel Infeed Conveyor | 10 Turning Station for A3 |
| 2 Backstands | 11 Ream Inspection and Single Ream Reject |
| 3 Web Edge Guiding | 12 Ream Wrapping in Paper or PP-Film (CSW 30) |
| 4 Slitting | 13 90° Roller Conveyor |
| 5 Cross Cutting | 14 Labeller |
| 6 Reject Gate | 15 Stacker |
| 7 Overlapping | 16 Conveyor |
| 8 Collecting | |
| 9 Cross Transfer | |



AWARD: ZIEGLER'S BEST ART & PRINT WORK
Prize-giving on 10.11.2005 from 210 printed works entered.

Works were submitted by print and design professionals from England, Germany, Austria, Spain, Denmark, Holland, Belgium and Switzerland. By the July submission deadline, 210 entries had reached us: exciting projects whose print and design quality was carefully examined by the seven members of our international jury.

The big day arrived on 10 November: some 90 printers, creative designers, agents, paper merchants and members of the jury met in Basel to watch the winners of "Ziegler's best art & print work 05" receive their prizes. At the initial get-together and during the tour of the Ziegler Paper Mill, the excitement grew visibly until it reached its climax at 6.30 p.m. when the secret of who had won was finally revealed.

Along with their prize money, the winners were also presented with an award that had been specially created for the occasion – in collaboration with the Basel College of Design (summer school 2005). The winners of this year's awards are: soDA Verlag (CH), Grafisch Cultuurstichting (NL) and Brahm (GB).

In addition to the jury prizes, a number of paper wholesalers from England, Austria, Belgium and Switzerland also presented awards to various works on Ziegler paper.

After the prize-giving ceremony, guests had the opportunity of experiencing "Status Quo" live at the AVO Session. Still a big success after 40 years, they played their famous hits from "Whatever you want" to "Rockin' All Over The World".

The competition will be staged again next year. Detailed information will be sent to you in good time. More information about the award can be found at www.zieglerbest.com or obtained from susanne.imber@zieglerpapier.com



MUNICH OKTOBERFEST 2005

IT-Papier invited guests to attend the traditional beer festival held in the tram sheds of the Vienna transport system on 6 October 2005. 350 printers from the Vienna area spent a lively evening. The snap below shows: right, Dr. Gerhard Seiwald, CEO of IT-Papier; left, keen amateur photographer Urs Ziegler. We hope we may look forward to the pleasure of being there again next year.



PAPERWORLD CHINA

As an independent Swiss paper mill, we shared a joint-stand for the first time with Union Chemical at Paperworld in Shanghai from 15 to 17 November 2005. We presented Z-Plot 850 and Z-Laser-Color and introduced our new Z-Release C1+2S as an exhibition highlight. This is a base paper for pressure-sensitive labels and other adhesive-coated products. The trade fair gave professional printers and designers from the Far East an opportunity to learn all about our four product lines.

PAPERWORLD FRANKFURT

From 25.1. to 29.1.2006 the entire paper sector will be gathering in Frankfurt am Main. Over 2200 exhibitors from more than 60 countries will be presenting new products and trends for the coming season. We will be there at an inviting joint-stand to present our four product lines – Corporate Design, Natural Design, CAD/Office, Specialties – and to demonstrate their benefits and potential applications. We look forward to your visit. Please use the card opposite to order you admission ticket today and be inspired by our top-quality products.



Award "Ziegler's best art & print work 05"



interactive Communication

AT PAPERWORLD WITH ZIEGLER PAPER

You can also order your ticket by phone or e-mail. Simply contact Sandra Meury: sandra.meury@zieglerpapier.com or telephone +41 61 745 12 13

Discover with us the wonderful world of paper. We have pleasure in inviting you to attend Paperworld in Frankfurt am Main (25 – 29.1.2006). Simply cut out this card, fill in your details and return it to us by 13 January 2006 at the latest and we will send you a free admission ticket. (Don't forget your full name and address!)

Yes, I would like a free admission ticket to Paperworld

City, date

Signature

What impact are higher energy prices having on the cost of paper? It will become clear at the latest when the annual budget is drawn up how much more we will have to pay next year for energy. What does this mean for paper buyers? Do they have to budget more for the paper they will need to purchase next year? One thing that must be pointed out here is that paper mills use different sources of energy. The prices of waste heat from refuse incineration plants and similar sources are likely to remain stable over the long term. But the majority of mills are dependent on the cost of oil to

some extent, because price fluctuations also affect the cost of other energy sources, such as gas for instance. Ziegler Paper Mill operates a gas-powered combined heat and power generator. This produces power and waste heat which is used for drying the paper. This means that we are directly dependent on the cost of gas, which has risen sharply over the past six months. As a result of this, it is highly improbable that we will be able to avoid an increase in price in the region of 5 to 8 %.
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