

# Abstracts of Articles

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Dear Reader. This edition of our paper is dealing with the primer and the ancillary materials used by our industry, including printing inks. As far as the quality, technical properties and prices are concerned today there are no significant differences between the ink products of the ink makers. For consumers, only the added value is the most important beside the top quality.

With the development of technology, there are a lot of brand new materials influencing our industry and giving new market possibilities for the printed materials. In an article written by Emil Eiler you can have comprehensive information about new trends of ink making and about novelties of it.

Naturally, in this edition, there are articles again about history of our industry. A very interesting article-with a title of *Why do not we have it?* was written by György Timkó. It is a good question for us to think on it: How could we establish a Hungarian Printing Museum? I would be very grateful to our Readers for giving us ideas how to set up a foundation for that purpose. It could help us in saving the keepsakes of history of the printing industry.

As always, the autumn is eventful. We'll report about several new investments, symposia, jubilee, and programs. In life of Magyar Grafika, there is a very meaningful feast, 16. November 2006 is the 50<sup>th</sup> anniversary of existence of this paper. At this occasion we will organize a jubilee celebration and at the same time we publish a Jubilee Edition. That volume will contain several interesting articles including industrial history, other up-to-date information, a survey of the past 50 years' developments in the technology, as well as gives a forecast for the next 50 years. This Jubilee Edition will be a professional information source worthy to preserve because of its supplements and special print collections. We cordially invite everyone to the Jubilee Celebration.

If you want to take part on it, please inform us by phone: +36 1 457 06 33, or via internet: [pnyme@mtesz.hu](mailto:pnyme@mtesz.hu) ) For those being present at the Celebration, we'll give the Jubilee Edition there. Others will get it by post. I do hope I will meet you there.

Viktória Faludi

Editor in Chief, Magyar Grafika

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This article is dealing with the recent most important starting (basic) and ancillary materials used by the Graphic Art Industry for printing, laminating, labeling, packaging, and for decorative and security purposes. The main categories of them are as follows:

♦ *Wood and paper-based ones: paper, paperboard and corrugated substrates;*

♦ *One- and multi-layer synthetic substrates, laminates and label materials:* Poly olefins; vinyl based polymers; styrenic derivatives; polyesters; nylons; high nitrite polymers, polycarbonates, cellophanes and derivatives of these;

♦ *Up-to-date adhesives and adhesive tapes* for general and bookbinding purposes;

♦ *Inks for conventional and for NIP usages:* (conventional, anti forgery / counterfeit; optically variable; fluorescence / luminescence; thermo-, and photo-chromic inks, invisible; laser coded; fragrance; metallic; transparent, magnetic, food grade, removable, relief, nano-, and e-inks etc.);

♦ *Varnishes:* water and organic solvent based, dispersion and UV).

Important other subjects: Statistics of global consumption of printing materials. Trends. Properties. Testing. Market choice. Benchmarking. Replacement.

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To meet the special demands of customers, there are many different surface treatment processes, effect-varnishes on the market. In this article you find information on products of Belgian UNICO ink factory. In near future on cover of our paper you can see an example of thermo-chromic ink, which -due to temperature- changes its color.

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Flint Group has reorganized its activity in Hungary. After 1<sup>st</sup> August the Flint products will be marketed by CNI Kft. The main products are: Flint water-, and organic base flexo inks, cold set inks, *Lindgens* metal decoration offset as well as UV inks together with wash materials and thinners.

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Making a constant development for Huber Group is vital. Their research work is bi-directional: to market brand new products as well as give better products cheaper to the customers than the competitors.

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Budacolor exists since 100 years. It has been established by *Lorilleux* which was founded in Paris, at 1818. Shortly after the Hungarian system change, the Italian *Samor International Group* has privatized it. Since 2003 its main profile is offset printing inks.

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By *Info Source*, Canon -with its six new multi purpose equipments-, holds its leading roll in the fields of color ink, and intelligent color printing ink brands.

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Braille Writing now can be printed with a brand new process because there is a new competitor of it. The new method is a development of *Berner Fachschule in Burgdorf*, Switzerland, together with its partner, the *Fritz Gyger AG*.

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We hear of color management everywhere but let's think it: what is about its application. Many of the printing houses have invested in CtP, and with this, the chaos between prepress and print became larger. Many of them wish to come film-era back. It is normal because most of file problems acted against the prepress studios, and the correct color remained a task of Chromalin process.

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This time the place of our traditional *Itinerary Congress of Printers* was *Gyula*. It was organized by *Dürer*, and by *PC Royal* printing houses.

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The printing house named *Alföldi Nyomda* exists and works since 445 years. Its planned income for 2006 is 4,5 Bn HuF. To that belongs nearly a 2 Bn HuF paper acquisition cost. Its sales revenue is higher and higher since its privatization. In spite of theory of end of Gutenberg Galaxy, and the information super highway, they form consequently their future.

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If September, then it is a Conference of maintenance. So was it in 2006 again. Since 1982, this was 23<sup>th</sup> occasion when leader maintenance experts gathered at Rákkeve, in the printing office of *Grafika Press*.

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Presstec –PC Studio 2000 Kft is working in the Hungarian market since more than 16 years. They contacted *Duplo International Ltd* in 1991, since that they are distributors of it in Hungary and in Rumania, as *DPL Holding sr*. With experiences they are the most meaningful Duplo base in Middle and Eastern Europe.

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Report on *Fachpack 2006*: Number of exhibitors and visitors of this international exhibition is growing year by year. The cooperation of *Fachpack* with its packaging profile, and *PrintPack* with the package labeling and production of packaging materials, as well as *Logintern* with the toolbars of inner logistics together seems to be a successful solution.

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Photo prints made with refilled ink-cassettes are not durable. It was the result of an examination covered by *Wilhelm Imaging Research Inc. (WIR)* for HP. When using HP photo papers, the color fading is significantly smaller

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Kristóf Ducki lives and works in Hungary. On his posters there are Hungarian texts. He is well known in Japan, Dania, Mexico, as a member of the Hungarian poster artists team.

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*Bloomsday Celebrations* -for graphic designer artists- were first organized 12 years ago by artists of Szombathely. This year this meaningful event was hold in a cellar gallery.

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*Kinizsi Printing House* can be proud of its success story. Beside the new 2300 square meter large production hall, they have in Europe the most modern Müller Martini automatic bookbinder machine. Among others it has a gathering unit consisting of 27 stations, an Acro 7 adhesive binder, Zenith trimmer, a stock piler and packaging unit.

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Research activity of *Zoltán Dárdai* beside printing inks includes everything where knowledge of a chemist is important. He has meaningful results in the fields of pharmacy, cosmetics, corrosion prevention, acting as a loss assessor etc. As a pensioner, has an own research laboratory. His comprehensive knowledge is well known, so since 1973, is on the national list of judicial and industrial experts.

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Printing at *Nagyatád* is 120 years old now. *Nagyatádi Nyomda Kft* has celebrated this at 2<sup>nd</sup> September.

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*Grafit Pencil Nyomda Kft* is ten years old now. At the occasion of its birthday they organized a celebration, including a professional lecture. There was present *Dr. Roland Reichenberger* from KBA too. His presentation dealt with the subject of surface improvement technology using varnishes, possibilities, failures, and the prevention of them.

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The first Printing Museum in Bern, Switzerland has been founded in 1900 as a part of the Handicraft Museum. There is an exhibition there which can be interesting for all of us. Believe me, Mainz and Fribourg is also worthy to visit.