

DUPONT PACKAGING GRAPHICS WAS AWARDED TOP 10 FOREIGN BRANDS IN CHINA PRINTING INDUSTRY



At Diao Yutai State Guesthouse, May 13, 2009, DuPont Packaging Graphics was awarded Top 10 Foreign Brands in China Printing Industry 2008. This Top 10 awards series was organized by <http://www.printing.hc360.com/>, a powerful network platform in China for printing industry. Ted Zhi, Packaging Graphics Greater China Sales Manager, represented the business to receive the award.

The judging panel comprising members of China Printing Association, Printing Academia and senior experts from China Printing Industry highly recognized DuPont Packaging Graphic business unit for its restless effort in leading the global flexographic printing technology advancement in the past 35 years, and its tremendous contribution in promoting flexographic printing in China in the past 20 years. Heidelberg, Manrolan, Screen, Kodak etc. are also among the top 10 foreign Brands list.

For more information of the event, please visit: <http://info.printing.hc360.com/list/top10-banjiang.shtml>.

About DuPont Packaging Graphics, please visit: www.cyrel.com

TAKING CUSTOMER REQUESTS SERIOUSLY

Customers requests for more simplified sleeve handling, faster access times for the first sleeve, smaller footprint and elimination of organic solvents were the starting point for the DuPont Packaging Graphics's development of a more advanced system. The innovation is the switchover from a solvent-based development process to a thermal process. This thermal process has been used for many years in the development of flat plates, marketed as Cyrel® FAST. It has become an established alternative to solvents and its market share shows continuous growth.

The new Cyrel® FAST round system, which will be marketed starting from 2010, consists of a Cyrel® Digital Imager (CDI) Advance Cantilever to ablate the lams layer and create the mask on the "ready-to-image" Cyrel® FAST round photopolymer sleeves (Thin and Classic), a round exposure unit for main exposure, a processor for thermal development, and a round exposure unit for the UV-A/UV-C post-exposure of sleeves. A polyester non-woven fabric is used as the development medium for thermal processing, reinforced by a thin polyester film.



"loose fit" concept – one size fits all

The biggest advantage is represented by the idea of "ready-to-image" photopolymer sleeves as opposed to plates or gravure printing cylinders: customers receive raw sleeves in the right format and with a black ablation layer, consequently they can use these sleeves to process the finished round print form in digital processing. In so doing, costly internal manufacturing processes such as laminating plates or applying liquid polymers, melting processes, applying mask layers, and similar processes can be avoided.

The benefits are many and clear to understand. First of all, sleeves exposed with Cyrel® FAST round are simply placed onto a fitted end piece vertically and are covered by a lid to prevent the edges from being exposed. The sleeves are removed from the support after exposure and are placed in the Cyrel® FAST round processor without using special equipment or tools. This means less labour and a more simplified handling.

Furthermore, the thermal developer eliminates the need for the time-consuming drying process that was the main limit of the solvent process with respect to the access times for the first sleeve. Now, the first Cyrel® FAST round sleeve is ready for printing after approximately one hour. Another benefit of this new system is connected with smaller footprint: Cyrel® FAST round processor only requires approximately 5 m² of floor space, compared to the 20 needed by a solvent processor.

Last but not least, the new Cyrel® FAST round system ensures the total elimination of organic solvents thanks to the use of the thermal development process to produce continuous photopolymer sleeves.



Dr. Dietmar Dudek

Research Fellow - DuPont Packaging Graphics R&D

DEMANDING NEEDS IN AN INDIAN FAST GROWING COMPANY

During the last years, India has been one of the best performers in the world economy, with analysts raising their median forecast for growth in Asia's third-biggest economy to 6.3 percent for fiscal year 2009/2010 from a forecast of 5.7 percent in a similar poll just three months before.

In this scenario, one of the fastest growing sector is packaging and of course package printing, with a strong group leading the way. Headquartered at Noida, on the periphery of New Delhi, Uflex Group is present in 80 countries in the world and has manufacturing facilities in India and Dubai, while other offices are located in Europe and North America.



From left to right Mr Chaudhary and Mr Roy Uflex, from Uflex, Dr. Ing Ute Döppner-Buchholz and Mr. Robert Ullman, from DuPont, in front of the Cyrel® 2000P during the equipments training and inspections performed from Uflex in DuPont facilities in Neu Isenburg.

Founded in 1983, the company has rapidly grown into one of the biggest multi integrated packaging groups in the world. Today it is a US\$ 600 Million turnover company offering complete flexible packaging solutions worldwide. Uflex mainly manufactures Polyester Chips, Films (BOPET, BOPP and CPP - both in plain and metallized form), Coated Films, Laminates, Pouches, Holographic films gravure cylinders, Inks and Adhesives. It also builds different types of packaging & printing machines, thus ensuring a complete range of packaging solutions and maximum flexibility to the entire sector.

Some of Uflex customers are well-known international brands, like P&G, Nestlé, Wal-Mart, Frito-Lay, Perfetti, Cadbury, ADM, Master Foods, Tesco, Lidl, DS Group, just to name a few of them. Thanks to its high quality offer, Uflex also won various prestigious national and international awards, like the top exporter of BOPET and BOPP films, the Worldstar Award for Packaging Excellence.

Uflex has recently purchased a plate-making solution from DuPont Packaging Graphics in order to make another step ahead into the

flexographic packaging printing market. Indeed the partnership with DuPont can be seen as one of the main key factors of the company's success. The two companies always shared a common vision towards innovation: Uflex has always been committed to be a real trend-setter, the first to come up with innovative products, which can cater to the changing demands of the packaging industry.

On the same way DuPont, being a Science based company, has always been focusing on Research and Development, catching new tendencies at a glance and transforming new technologies and scientific discoveries into useful and innovative solutions which can really make the difference in customers' production cycle, always satisfying their requirements and quality concerns.



Mr. Chaudhary, Mr. Roy Uflex and Mr. Ewald Beivi, from DuPont, in front of the Cyrel® 2000ECLF.



Mr Chaudhary looking the plate's quality coming out of the Cyrel® FAST 4260 thermal processor.

Consequently, it's no surprise that India's leader group in flexible packaging recently decided to further enlarge its production capacity and improve its productivity in flexography, installing a complete DuPont™ Cyrel® line inclusive of a **Cyrel® 2000 ECLF** (Exposing and Line Finishing) a **Cyrel® 2000 P** processing unit and a **Cyrel® FAST 4260 Thermal Processing** unit.

Uflex decision to purchase a flexo plate-making thermal solution is based on the fact that Cyrel® FAST is a revolutionary technology which can dramatically cut production times. From a competitive point of view, speed is a key element and this system allows us to produce flexographic plates while

reducing processing time by 75%, compared to the time normally required using other conventional development processes. The drying process of a thin plate normally takes 90 minutes (a thick one can even take 3 hours), while with Cyrel® FAST it only takes between 20 and 25 minutes.

Moreover Cyrel® FAST is a totally dry solution, which allows to manage the plate-making process without requiring the use of solvent or water based chemical solutions. Consequently Uflex has no problem with solvent emission, chemical storage, handling, treatment and disposal, thus becoming a more environmental friendly company.



The miracles of science™

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