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HUNTSMAN

Enriching lives through innovation

TEXTILE CONNECTION

ISSUE 9

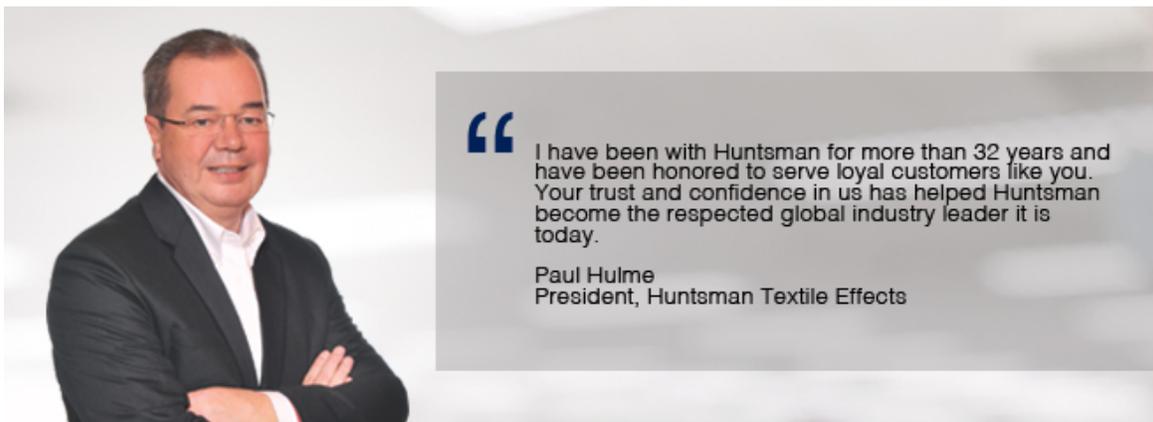
CONNECTING WITH OUR CUSTOMERS



HIGHLIGHTS

- LEADERSHIP TRANSITION
- INDUSTRY PERSPECTIVES
- SUSTAINABLE INNOVATION
- RECENT EVENTS
- UPCOMING EVENTS

LEADERSHIP TRANSITION



For the past decade, I have had the privilege to serve as the President of Huntsman Textile Effects. My career with Textile Effects has been rewarding and exhilarating and I am grateful that you have chosen Huntsman Textile Effects to be your trusted partner. But the time has come to explore a new phase of my life – retirement.



Rohit Aggarwal

While I will continue in an advisory role to Huntsman Corporation for the next two years, I am pleased to announce that Huntsman has appointed Rohit Aggarwal as my successor and the new President of Huntsman Textile Effects. Rohit is a seasoned international business leader who has held executive roles at multinational firms and has extensive experience across multiple chemical specialties. Rohit has deep knowledge of the textile industry and has worked across the globe, in Germany, Belgium, Switzerland, India and Singapore. I want to assure all our valued customers that Huntsman Textile Effects will continue to be in extremely capable hands when Rohit assumes the position in July.

Rohit returned to Huntsman in 2015 after two years as the Asia CEO of a leading commodities trading firm. In the last year, Rohit served as the Corporate Vice President of Huntsman overseeing the company's presence and operations in the India Subcontinent. Rohit will be based in Singapore with the Textile Effects Global Leadership Team.

Huntsman Textile Effects continues to be deeply committed to supporting and growing with you. In the last five years we have invested over US \$100 million in our manufacturing facilities in Baroda, India; Mahachai, Thailand; and Atoto, Mexico, in order to reduce our operating costs and improve our lead and response time to customers.

With our continuous focus on innovation and supported by a knowledgeable and dedicated team of professionals, Huntsman is well positioned to help you address your key economic and environmental sustainability challenges.

Thank you again for your continued support and please accept my best wishes for your continued success and growth.

Paul Hulme
President, Huntsman Textile Effects



Global water scarcity is even more serious than previously thought. A new study published recently in *Science Advances* shows us that two-thirds of the world's population, or 4 billion people, live under conditions of severe water scarcity at least one month of the year.

As a major consumer of water in these and other drought-prone developing economies, the textile industry must play a part in overcoming the challenge of water shortage. Huntsman Textile Effects believes that we can best contribute by keeping our focus on innovation.

We have faced similar situations before. Concern about hazardous chemicals has been growing over the past decade, and Textile Effects has continuously invested to find alternatives. We have redefined the industry's approach as a result, with breakthrough technologies such as the chrome-free LANASOL® reactive dyes for wool, the C6-based PHOBOL® CP fabric finishes, and the PCA-free* AVITERA® Black SE.

We are approaching the challenge of global water scarcity in a similar way. Through our research and technology (R&T) investments, we are helping to make digital textile printing and waterless Supercritical CO₂ dyeing more sustainable solutions that will benefit our customers and the industry as a whole. While these technologies are already helping mills to reduce their environmental impact and boost productivity and competitiveness, we understand that capital equipment and staff retraining costs remain high. And we remain committed to continuing to develop these technologies.

At the same time, we are also looking for ways to use existing plant and equipment to generate dramatic savings. Textile Effects is investing heavily in the development of new technologies and cleaner processes that use less water. The AVITERA® SE range is our biggest breakthrough to date. Textile mills worldwide are proving that switching to these new dyes is a simple change that can pay big dividends.

*WATER, ENERGY AND TIME SAVINGS			
BEST AVAILABLE TECHNOLOGY	 WATER 36 - 40 l/kg	 STEAM / CO ₂ 4.5 / 1.5 kg	 TIME 7 h
AVITERA® SE	 WATER 18 - 20 l/kg	 STEAM / CO ₂ 2.1 / 0.8 kg	 TIME 4 h
Based on balanced shade gamut 20% Pale 30% Medium 30% Dark 20% Extra Dark <i>*Figures may vary from mill to mill</i>			

At Textile Effects, we firmly believe that innovation is the key to helping you overcome your economic and ecological challenges. We know that you are responding to higher costs and tighter environment controls by turning to higher quality dyes and more efficient production processes. Our ongoing R&T focus is our investment towards your future success.

*below detectable limits

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SUSTAINABLE INNOVATION

AVITERA® Sky SE and Gold SE



Reactive dyes for warm exhaust application



Textile Effects has extended the groundbreaking AVITERA® SE range with two new dyes for warm exhaust application on the most widely used textile fibers, including cotton and its blends. AVITERA® Gold SE and AVITERA® Sky SE help mills upgrade textile quality while reducing water and energy consumption by up to 50%. Together with AVITERA® Red SE / Cardinal SE, they represent our main trichromatic system for medium depths, offering unbeatable fastness and application robustness at an attractive cost.

For more information, please contact [Holger Schlaefke](#)



Disperse ink for deep navy on polyester

TERASIL® Navy XKS 910

For superior print head and jetting performance, TERASIL® Navy XKS 910 disperse ink is formulated to help you achieve dark blue and navy shades on polyester fashion and sportswear.

For more information, please contact [Sergio Prenna](#)



The next milestone in chrome replacement

LANASOL® BLACK NSC

Experience the latest reactive black dye for wool with no shade change in finishing. This new dye is formulated as a fine granule with very low dusting, allowing for easy handling, exact weighing and ideal for automated dosing systems.

For more information, please contact [Franz Gruener](#)



Reactive ink for deep blue and navy on cellulosic fibers

NOVACRON® Blue XKS HD 6001

Achieve rich dark blue and navy shades with NOVACRON® Blue XKS HD 6001. Ideal for digital printing on cellulosic fibers like cotton and viscose, the reactive ink also minimizes ink consumption and machine maintenance.

For more information, please contact [Sergio Prenna](#)



Fluorescent dyes for polyamide fibers

ERIONYL® FF Dyes

For high-color strength and state-of-the-art fastness, ERIONYL® Flavine FF and Rhodamine FF fluorescent dyes deliver quality results for high-value, elastic garments such as sportswear, athletic apparel and lingerie.

For more information, please contact [Franz Gruener](#)



Boosts protective performance of all DWR technologies

PHOBOL® Extender SFB

Enhance both fluorinated and non-fluorinated water-, oil- and soil-repellent effects with PHOBOL® Extender SFB. The Extender accelerates processing speeds and supports the transition from C8 to C6 formulations without compromising on performance.

For more information, please contact [Oliver Gerlach](#)



High-performing short-chain DWR for technical textiles

PHOBOL® CP-2G

Delivering excellent oil- and water-repellent effects, PHOBOL® CP-2G delivers high wash durability, very low yellowing tendency, good stability and runnability. A C6 formulation, it is Vinylidene Chloride free and contributes to minimal Absorbable Organic Halogens in wastewater.

For more information, please contact [Oliver Gerlach](#)

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RECENT EVENTS



Huntsman booth at the recent ITM Texpo show in Turkey.

Demonstrating our expertise in digital inks technology

Huntsman Textile Effects showcased its digital inks solutions at the recent ITM Texpo Eurasia in Istanbul from 1-4 June 2016. The show attracted more than 1000 exhibitors and tens of thousands of visitors from over 70 countries.

"Huntsman inks are generating interest across a variety of market segments, We are recognized not only for the quality of our solutions but also for our complete range of inks for all textile fibers, print heads and machines," said Sergio Prenna, Global Marketing Manager for Digital Inks at Huntsman.



Huntsman Textile Effects breakout seminar at TASC.

Leading the industry towards a more sustainable textile industry

Huntsman Textile Effects once again participated as a leading sponsor for TASC (Global Textile and Apparel Supply Chain Conference) organized by CNTAC (China National Textile and Apparel Council) Xiqiao, Guangdong province on 5-6 June. Textile Effects' VP for Strategic Marketing and Planning Jay Naidu presented at the plenary meeting on day one, discussing Huntsman's approach towards sustainable green supply chain growth for China's textile industry.

Huntsman hosted a breakout seminar that focused on its eco-friendly durable water repellent product range, continuous pretreatment solutions for knit apparel and sustainable dyeing of cotton with AVITERA® SE reactive dyes.

UPCOMING EVENTS



Visit Huntsman textile effects at Outdoor where we will be showcasing our latest durable water repellent technology. This event will run from **13-16 July** at Messe Friedrichshafen, Neue Messe 1, 88046 Friedrichshafen, Baden-Württemberg, Germany. See you at Hall A1, **Booth 124!**

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