

PRESS RELEASE

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CHT TEXTILE SOLUTIONS – smart approaches to energy cost reduction and climate protection – will be presented by CHT at ITMA in Milan

High cost pressure due to dramatically increasing energy costs as well as the continuously growing importance of internal environmental and climate protection are challenging more and more manufacturing companies. The evaluation and implementation of potential savings is therefore playing an increasingly important role. Therefore, within its TEXTILE SOLUTIONS, the CHT Group has developed solution approaches for manufacturing companies of the textile value chain to compensate high energy costs and to make a positive contribution to climate protection.

The application specialists of the CHT Group work together with the customers to develop individual savings potentials that are specifically tailored to the production facilities and requirements. Thus - depending on the process, fabric and machine - energy savings of up to **30%** can be achieved with the use of innovative CHT textile auxiliaries, dyes/pigments and the corresponding process optimization. In addition, the numerous concepts and tailor-made products can minimize water consumption or shorten the process time.

For example, **energy-efficient cold bleaching** instead of pad-steam bleaching processes in continuous pretreatment and the **4SUCCESS process** for energy-efficient and resource-saving pretreatment and dyeing of cotton help to save energy. Likewise, the use of polymer binders such as **ARRISTAN CPU**, which do not require energy-intensive fixation, saves energy.

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Another option is efficient pretreatment with the new **polymer technology CPT (Comb Polymer Technology)** to achieve good cleaning effects even with low liquor ratios and thus less water to heat up. To save costs for energy-consuming heating, there is also the gentle low-temperature fixation in the easy care finishing. The **organiQ EMS Jeans system** also enables jeans finishing with the latest nebulization technology and the lowest liquor ratios with a reduced application temperature compared to standard processes.

With **TIME BOOST**, a process for fast polyester dyeing processes, not only significant energy but also time savings are achieved by omitting pre-washing and by shortening heating and migration times. **SHORT CUT** also leads to shorter process times when dyeing polyamide.

To avoid cost-intensive intermediate drying, the CHT Group offers **SCREEN-2-SCREEN with PRINTPERFEKT S2S** which facilitates printing in a wet-on-wet technology.

Furthermore, the group offers special finishing and coating products that support minimal application systems such as spraying, kiss rolling or instable foam coatings. In addition to numerous other products, the CHT Group also offers its customers smart digital tools to optimally support process optimizations. For example, the "**BEZAKTIV Soaping Advisor**" calculation program within the CHT Textile Dyes app can be used to evaluate and improve dyeing and soaping processes in a simple and target-oriented way. Energy reductions can therefore be effectively implemented in various textile manufacturing processes and, more than ever, enable major cost savings. At the same time, the process solutions make a significant contribution to environmental and climate protection.

Further information can be found at:

https://solutions.cht.com/cht/web.nsf/id/pa_de_startseite.html

and in the CHT Textile Dyes - Bezema Color Solutions App.

For jeans and garment, new machine technologies and optimized processes can help to save water and energy and to reduce the use of chemicals. With the **Technology Supporter** product range, the **denim and garment experts**

at **LAB102** offer their global jeans customers highly efficient and sustainable solutions.

More information: [LAB102: The garment experts of CHT. \(lab-102.com\)](https://lab-102.com)

Every four years, the industry gathers at the CEMATEX-own **ITMA in Milan** to exhibit the latest garment and textile processing technologies, machinery, and materials as well as to foster partnerships and collaborations. Our BF Textile experts will show you the latest products and solutions for all textile sectors at **Booth B 204 in Hall 5 from June 8-14, 2023**. Convince yourself of our exciting innovations!

About the CHT Group

The CHT Group is a medium-sized global player for specialty chemicals and active worldwide in development, production and sales. CHT Germany GmbH in Tübingen is the headquarters of the group of companies which focuses on sustainable chemical products and process solutions.

TEXTILE SOLUTIONS of CHT improve the quality, functionality as well as look and purity of textiles and optimize their manufacturing processes.

In the fields of silicones, building materials, paints, coatings, leather, release agents, paper, agrochemicals, mining as well as cleaning and care products innovative products and process solutions are provided by INDUSTRY SOLUTIONS.

By combining the strengths of the complete group further innovative products, applications or processes are continually developed and vast technical support is offered within the SCIENCE & SERVICE SOLUTIONS. Highly qualified specialists work in state-of-the art laboratories for development, analytics and application technique in order to work out ideas and solutions that meet the latest requirements.

The CHT Group with its own production and sales locations is represented by more than 26 companies worldwide. In the financial year 2022, the CHT Group generated a group turnover of 705 million Euro with around 2,400 employees. In 2023, CHT celebrates its seventieth anniversary. Let's celebrate seventy years of Smart Chemistry with Character!

For more information, please visit www.cht.com

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