

PRESS RELEASE

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LAB102 Technology Supporter – top modern machine technologies supported by innovative chemistry

The use of new machine technologies can lead to extreme savings in water and energy. The application of chemicals can also be reduced if processes are optimized and adapted to the new requirements. Here LAB102 offers many new possibilities to achieve conventional effects with more sustainable components.

With the **Technology Supporter** product range, LAB102 offers its global denim customers state-of-the-art, highly efficient and sustainable solutions. The Technology Supporter program is further developed in cooperation with the most renowned machine manufacturers.

Nebulization technology

From bleaching agents to dyeing auxiliaries: LAB102 products are tailor-made, biodegradable, and free from heavy metals, chlorine and AOX to achieve the most ecological and economic results: The organIQ BLEACH system is a bleaching system for blue and black denim. It works perfectly as a substitute for potassium permanganate and chlorine in modern nebulization systems to obtain authentic used effects. With the organIQ seek system LAB102 offers a purely organic bleaching system for denim, which is a perfect complement to the organIQ BLEACH system. The systems can be used together or alone, always offering an almost unlimited variety of effects. In addition, LAB102 offers the organIQ BIOPOWER. This is a special cellulase mix to obtain a stonewash look, but completely without the use of stones and with a simultaneous reduction of lint formation. This is a sustainable process, especially if the process is continued with one of the two organIQ bleaching systems.

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Laser technology

For this technology, LAB102 has auxiliaries that create excellent laser results by making the laser pattern clearer, more detailed and avoiding any additional local spray bleach: DENIMCOL ENERGY is a cleaning product to be used after laser application. It removes laser ash and improves the white share of the lasered area. DENIMCOL TEC-LL is applied to the garment before the laser application to improve the laser effect: The contrasts as well as the bright white of the lasering are enhanced, and details of the laser pattern are emphasized.

Ozone technology

With intelligent pretreatment the best outcome of ozone bleaching, even on dry garments, can be achieved. DENIMCOL TEC-CR leads to strong and even bleaching effects with dry ozone treatments.

Low liquor technology

With these auxiliaries, LAB102 achieves authentic and uniform effects by using low liquor technologies. Low liquor technology is comparable to conventional processes but uses significantly less water.

Foam technology

Foam technology can help to save water especially for those who don't have nebulization technique. The foam helps to bring the chemicals and dyestuff to the garments and work only where they are needed.

The LAB102 Innovation Center is always available to assist customers with its technical expertise. Our Technology Supporter product range offers its customers state-of-the-art, highly efficient, and innovative solutions.

From **June 8 – 14, 2023** the LAB102 team will participate in the **ITMA 2023** in Milan, the most important textile trade fair. Come and visit us at **Booth 204 in Hall 5**.

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

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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