

For immediate release

Koehler Paper's innovative Blue4est® Pro certified for Toshiba Tec Singapore's new All-in-One printer

- **Linerless labels made of Blue4est® Pro as well as KT 72 TC PF traditional topcoated thermal paper qualified for new Toshiba Tec Singapore TRST-L1 printer**
- **Presentation of new all-in-one printer with Koehler Paper's thermal paper at NRF Singapore expo from June 3-5**
- **Significant waste reduction due to linerless label**

Oberkirch, Germany, 05/28/2025 – Koehler Paper, part of the Koehler Group and leading producer of thermal paper, has announced that Blue4est® Pro eco-friendly linerless labels have been successfully certified for Toshiba Tec Singapore's all-in-one printer TRST-L1. Blue4est® Pro is the innovative follow-up to the popular Blue4est® thermal paper for cash register. Linerless labels do have various advantages, including waste reduction and cost efficiency.

Linerless labels free of chemical developers

Just like conventional Blue4est® POS paper, Blue4est® Pro is guaranteed to be free of chemical developers and can be used with normal thermal printers. Instead of a chemical reaction to heat, Blue4est® thermal paper uses a purely physical mechanism for its printing results. Tiny bubbles in the functional layer collapse when subjected to heat from the thermal printhead, which results in the black layer underneath becoming visible. Moreover, Blue4est® Pro features an additional layer that protects the paper from mechanical damage for use as label stock. Converted to linerless labels without release liner, Blue4est® Pro is a sustainable and cost-efficient solution as it reduces waste and provides more flexibility.

Comprehensive paper tests successfully completed

Intensive paper tests have been run in Singapore in different climatic environments over several months with linerless labels made from the new eco-friendly Blue4est® Pro thermal paper as well as the traditional KT 72 TC PF phenol-free thermal paper. Different criteria have been applied to simulate intensive use on the new TRST-L1. Sebastian Früh, Director Thermal Paper Division at Koehler Paper, states: "We have tested different applications with our high-quality thermal paper on Toshiba Tec Singapore's new all-in-one linerless printer, including print accuracy for texts, printing of graphics and logos, or barcode readability. It came out that our eco-friendly Blue4est® Pro as well as our topcoated phenol-free thermal paper work very well as linerless labels and are a perfect match with Toshiba Tec Singapore's new all-in-one printer." Toshiba Tec Singapore will add Koehler Paper's Blue4est® Pro and KT 72 TC PF phenol-free thermal paper to the printer user guide for their all-in-one TRST-L1 from now on. "The linerless printers are designed to deliver outstanding reliability and adaptability across a wide range of industries," said Louise

Lim, Assistant General Manager of Business Development at Toshiba Tec Singapore. “With the TRST-L1’s innovative dual-orientation functionality, businesses can seamlessly integrate our solutions into their operations while staying agile in a rapidly changing landscape. Our partnership with Koehler Paper marks an exciting step forward in providing customers with greater performance, improved efficiency, and more sustainable printing solutions.”

Exceptional versatile all-in-one printer TRST-L1

Toshiba Tec Singapore’s new all-in-one linerless printer has been built for exceptional reliability and versatility across diverse industries. This world’s first innovative solution handles thermal receipt paper, labels with liner as well as linerless labels as single device. Designed with dual-orientation flexibility, it easily integrates into business operations to meet evolving needs. Its printing head has been built to print up to 150 km of various medium and the cutter lasts for up to 2 million cuts. It is the perfect solution for retail, catering/QSR and logistics/warehouses.



*Picture: A perfect match – Eco-friendly Blue4est® Pro linerless labels with Toshiba's all-in-one TRST-L1.
Source: Koehler Paper*



2030 Sustainability Strategy

Toshiba’s qualification of Koehler Paper’s thermal paper products helps the Koehler Group achieving the sustainable development goals in the area of successful, future-proof products and services.

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More about the Koehler Group

The Koehler Group was founded in 1807 and has been family-run to this day. The Group's core area of business is the development and production of high-quality, specialty paper, including thermal paper, playing card board, drink coasters, fine paper, carbonless paper, recycled paper, decor paper, wood pulp board, sublimation paper, and innovative specialty paper for the packaging industry, too. In Germany, the Koehler Group, with its around 2,500 employees, has five production sites, as well as three more in the USA. The Group operates on an international level, with an export ratio of about 70% in 2023 and annual revenue of 1.1 billion euro.

As an energy-intensive enterprise, Koehler invests with its unit Koehler Renewable Energy in renewable energy projects such as wind energy, hydroelectric power, photovoltaics, and biomass. The Koehler Group has committed itself to producing more energy from renewable sources than is needed for paper production by 2030.

With the business unit Koehler Innovative Solutions, Koehler collaborates with start-ups to promote innovations in the core business areas of paper and renewable energy.

More information is available here: <https://www.koehler.com>

More about Toshiba Tec Singapore

Toshiba Tec Singapore Pte Ltd (TSE) designs, builds and services world-class turnkey ODM/OEM solutions for Fortune 500 companies. They design best-in-class retail receipt printers and retail linerless printers for their clients worldwide. Toshiba Tec Singapore is a leading provider of advanced printing solutions and a subsidiary of Toshiba Tec Corporation, Japan. Serving diverse industries across the global markets, the company specializes in label and receipt printers, and integrated business solutions. Committed to innovation, quality, and sustainability, Toshiba Tec Singapore empowers businesses with reliable technologies designed to enhance operational efficiency and customer experience.

More information is available here: <https://www.toshibatec.com.sg/>



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