

LSB CO. LTD. Introduces FOODMATE-W: Equipped with Real-Time 2D to 3D Model Conversion

Transforming the World of Creativity and Design with Innovative 3D Modeling Technology



Kumi, Kyeongsangbuk Aug 18, 2024 ([issuewire.com](https://www.issuewire.com)) -  Company Name: LSB CO. LTD.

 Product Name: FOODMATE-W

 Product Launch Date: First Half of 2025

Product Overview

LSB CO., LTD. is set to revolutionize the fields of art, design, and engineering with the upcoming launch of **FOODMATE-W** in the first half of 2025, following its debut at CES. This innovative product introduces a cutting-edge technology that converts 2D drawings into 3D models in real-time, opening new creative possibilities for artists, designers, engineers, and anyone interested in 3D modeling.

Real-Time 2D to 3D Conversion for Enhanced Creativity

FOODMATE-W's core functionality begins the moment the user starts drawing on a tablet or digital drawing pad. As the pen moves across the surface, the software instantly captures and analyzes various data points such as pen pressure, speed, and angle. This data forms the foundation for generating a 3D model, adding incredible depth and dimensionality to 2D drawings.

Advanced AI Algorithms for Precise 3D Modeling

One of the most noteworthy features of FOODMATE-W is its use of artificial intelligence algorithms. These algorithms accurately estimate the depth information of each stroke based on the collected data. For instance, lines drawn with greater pressure are interpreted as deeper areas in the 3D model, while lighter strokes appear as shallower sections. This sophisticated interpretation transforms flat drawings into richly detailed 3D models.

Instant Feedback with Real-Time 3D Visualization

FOODMATE-W offers a significant advantage with its real-time feedback system. As users draw, they can observe the gradual formation of the 3D model on a portion of the screen, providing immediate feedback. This allows users to see how their 2D drawings are being translated into 3D in real time, making it easier to adjust and refine their work to achieve the desired 3D effect. This feature is particularly valuable for those looking to fine-tune their drawings to meet specific 3D modeling requirements.

STL File Export for Seamless 3D Printing

The final output from FOODMATE-W can be converted into an STL (STereoLithography) file, the standard format used in the 3D printing industry. This capability allows users to easily turn their 2D drawings into physical objects, making it an invaluable tool for designers and engineers who need to quickly prototype their ideas.

User-Friendly Interface for All Skill Levels

Unlike traditional, complex 3D modeling software, FOODMATE-W features an intuitive and user-friendly interface. This ease of use means that not only professionals but also beginners can easily engage with 3D modeling. The product is expected to be highly beneficial in educational settings as well, where students can directly experience and understand 3D space through hands-on interaction with the tool.

Breaking the Boundaries Between 2D and 3D

FOODMATE-W by LSB CO., LTD. is poised to break the boundaries between 2D and 3D, opening a new dimension of creativity. Whether you are a designer, artist, engineer, or educator, FOODMATE-W will be an essential tool for quickly turning ideas into reality. As we anticipate its release in the first half of 2025, we are on the brink of witnessing a revolutionary change in design and production processes.

About LSB CO., LTD.

LSB CO., LTD. is a leading pioneer in the **Food+Tech** era, dedicated to developing food printing technologies that address environmental and food security challenges while enhancing the quality of life. The company is committed to ongoing research and development to create innovative food printing solutions that will shape the future of the food industry.

LSB CO., LTD. holds a total of 18 patents, including 8 special utility models, 4 designs, and 6 related to food printing technology with cold storage functionality. The company actively invests in R&D and intellectual property to lead the FoodTech industry.



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