

SPDE Skewer Machine



The **SPDE model skewer machines** are designed to produce skewers that closely resemble those prepared by hand, using a wide range of ingredients such as meat, fish, soft cheeses, vegetables, fruit, and alternative proteins. **The products can be fresh, marinated, or cooked at low temperatures.**

The sticks can be loaded in bulk, properly oriented, without the need to stop the machine. The feeding system is designed to be highly tolerant, accommodating even mildly curved sticks. The sticks can vary in diameter from 2.8 mm to 4 mm and in length from 75 mm to 250 mm.

Productivity differs depending on the model, offering capacities of 3,600 or 3,000 pieces per hour, 5,400 or 4,500 pieces per hour, and 7,200 or 6,000 pieces per hour.

To optimize productivity and minimize waste, all models are equipped with a **device that checks for the presence of sticks in the feed slots.**

The inclusion of a **pre-piercing head** enables the processing of especially dense products, such as beef, meats chilled to just below freezing, or pre-cooked items like octopus.

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This mechanism, working in sync with the skewer insertion process, ensures accurate positioning and precise insertion, while also allowing the use of skewers without tips.

Skewers may be manufactured either **with or without protruding tips**, depending on the type of equipment used to extract the products from the molds.

The **molds are custom-designed** for each product and can be easily removed for replacement and cleaning. The machine's design ensures **simple and effective sanitization**.

The width of the product compartments ranges from 15 mm to 51 mm, while the maximum length of the molds is 200 mm. The machine is available in configurations that allow for **2, 3, or 4 skewers per mold**, catering to diverse production requirements.

Thanks to its **modular design**, the SPDE skewer machine offers **exceptional flexibility**, enabling customized setups to suit various manufacturing needs. **Loading areas** can be configured with lengths of **1.5, 3, 4.5, or 6 meters**, allowing users to choose the most appropriate option based on the complexity and size of the skewers, as well as the speed at which operators arrange the products. The inclusion of a **brushless motor** ensures highly accurate and consistent mold positioning at the skewer insertion station, significantly enhancing process efficiency.

The control panel is equipped with an advanced PLC and touchscreen interface, along with **connectivity** features for integration with the company's management software. This functionality allows for **real-time monitoring of productivity** and other critical parameters. Additionally, the system includes access to **remote technical support** for prompt assistance when needed.

