

TECH NEED

Seeking Solutions for Automated Skewering



KEY INFORMATION

TECHNOLOGY CATEGORY:

Manufacturing - Assembly, Automation & Robotics

Foods - Processes

TECHNOLOGY READINESS LEVEL (TRL): **TRL7**

COUNTRY: **SINGAPORE**

ID NUMBER: **TN174476**

BACKGROUND/DESCRIPTION

Satay has been a beloved comfort food for generations of Singaporeans. To meet the ever-growing demand, one satay business is looking to automate its production to ensure consistent supply while maintaining operational excellence. By embracing automation, the goal is to streamline processes, increase efficiency, and continue delivering the same high-quality satay that customers know and love. The satay company is seeking to work with automation companies to design an equipment portion and line the meats for skewering.

TECHNOLOGY SPECIFICATION

There is interest to seek out automation and tooling companies who are able to customise machinery to handle food at high throughput. Here are some key features that should be available in the solution:

1. Automated portioning and lining of meat pieces for skewering

2. Skewering process of raw meat (chicken, mutton, beef)
3. Output of 83 satays per minute

WHAT WE ARE NOT INTERESTED IN

- Off-the-shelf technologies
- Technologies that are not food-grade

PREFERRED BUSINESS MODEL

- R&D Collaboration