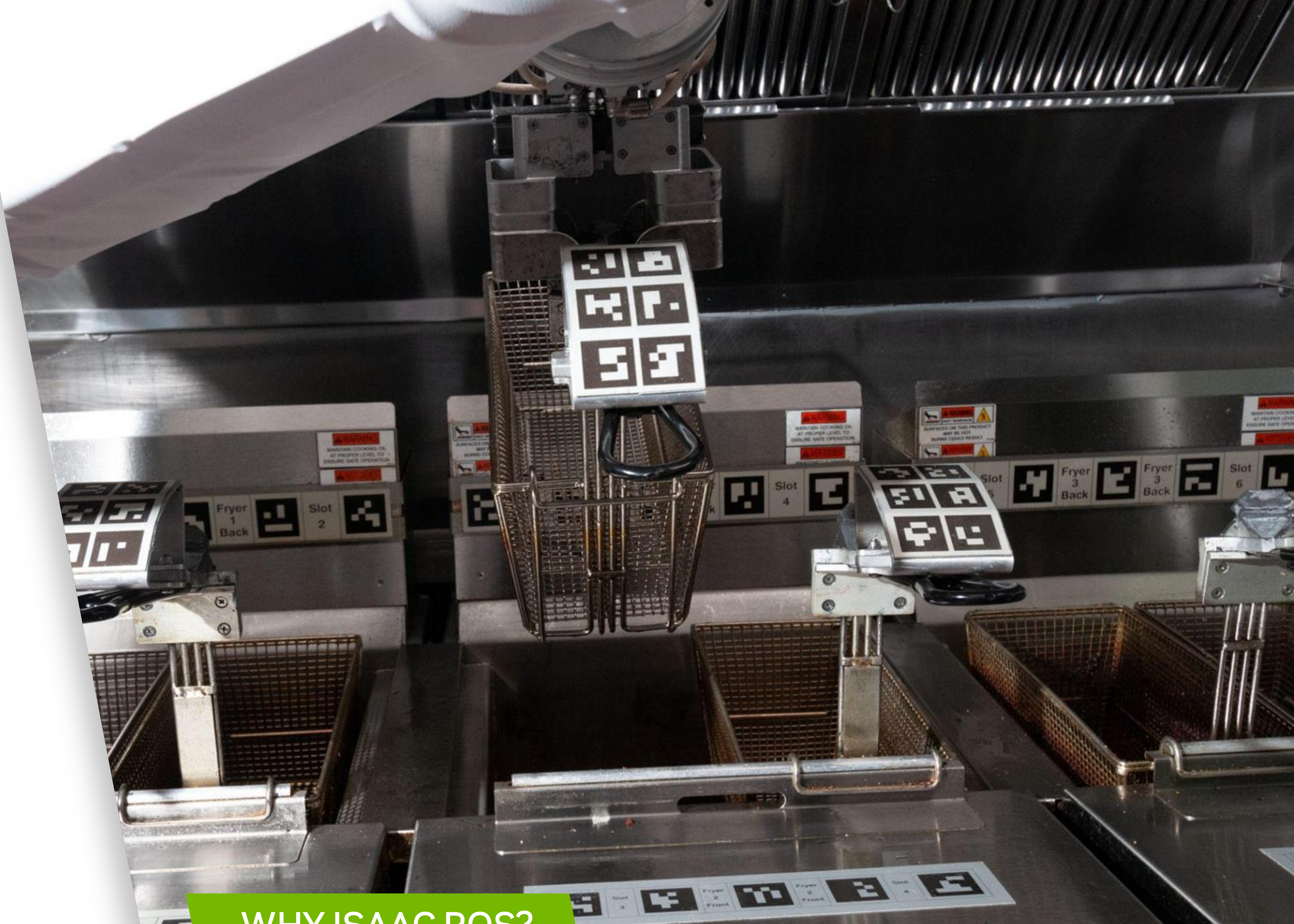# KITCHEN AUTOMATION
MISO ROBOTICS

Managing kitchen automation and robotics, Miso's flagship product – Flippy – needs precise real-time tracking of objects in space, particularly fryer baskets, in various kitchen environments. With NVIDIA's accelerated computing technology, Miso utilizes the Isaac ROS stack for AprilTag marker detection. This powerful solution leverages NVIDIA GPUs for superior performance, translating into more accurate pose estimation and higher frame rates, thus enabling them to keep track of baskets' position at all times.

- Enables offloading of heavy computational tasks from the CPU to the GPU, thus improving overall system efficiency and performance.

- Ensures real-time and high-accuracy pose estimation, enabling the tracking of objects with unprecedented precision.

- Fosters scalability with superior frame rates, allowing for the processing of more data in less time, leading to more precise movements and increased operational efficiency.

MISOROBOTICS

WHY ISAAC ROS?

"NVIDIA's Isaac ROS empowers us with the GPU-accelerated performance needed to track objects in real time with utmost accuracy. The exceptional quality of pose estimation it offers us is key to delivering the high level of reliability and precision that our customers expect from our solutions."

- Zach Zweig-Vinegar, Director of Software Engineering