

ENSURING SAFETY EXCELLENCE: MACHINE GUARDING DESIGN & IMPLEMENTATION FOR BAKED GOODS MANUFACTURER

ABOUT THE CLIENT

Our client is a renowned name in the sweet baked goods industry, celebrated for their high food safety standards. They proudly hold International Food Safety, SQF level 3, and Kosher (COR & OU) certifications, earning the trust of a loyal clientele who enjoy their high-quality, safe snacks and treats.



SERVICES

Safety Services - Machine Safety

HIGHLIGHTS

- Designed and implemented machine guarding solution to improve equipment safety
- Designed a safety control system and wrote safety functional requirement specifications for project equipment
- Drove communication and coordination among project's multiple stakeholders, ensuring a seamless design and installation process

PROBLEM TO SOLVE

In line with their commitment to safety, the food processor sought EAD's expertise to implement a machine guarding solution to improve the safety of their manufacturing operation. Although they had completed a risk assessment and identified equipment requiring guarding, they lacked the knowledge and experience to design, implement, and execute a guarding solution within their manufacturing process.

APPROACH & SOLUTION

EAD provided after-market machine guarding for our client's process and packaging equipment (conveyors, carton formers, box tapers, and more). We began with a site investigation to gather data on the facility equipment selected for a custom guarding solution, and we collaborated with the machine operators to understand the site safety and occupational requirements.

Based on the collected information, EAD engineered a machine guarding design solution and developed an issued-for-construction (IFC) design package that included design drawings, a cost estimate, and installation instructions for each machine guarding solution proposed.

Additionally, we designed a safety control system and wrote safety functional requirement specifications (SFRS) for every system requiring remediation. During the installation phase of the project, EAD leveraged our industry knowledge to source qualified local contractors, ensuring the highest quality work at the lowest possible cost. We coordinated with multiple equipment contractors to ensure the successful implementation of each machine guarding solution.

Post-installation, EAD's commissioning and check-out team reviewed the installation work, validated the functionality of the control loop, and ensured the safety circuits and electrical safety guarding were fully operational.

RESULT & BENEFIT

EAD completed the half-a-million-dollar TIC machine guarding design and implemented the project on time and within budget. The manufacturer appreciated our ability to drive communication and coordination among the project's multiple stakeholders. Today, our machine guarding solutions continue to help our client ensure safety excellence.

