



Featured Senior Design Project Sponsor



SANMINA®

And the 2023-24 ISE Student Team



Shirley Arriaga Caroline Zana Huy Nguyen Mauro Gonzalez

Company overview: “Sanmina designs, manufactures, and repairs some of the most complex and innovative optical, electronic and mechanical products in the world. Recognized as a technology leader, Sanmina provides end-to-end design, manufacturing and logistics solutions, delivering superior quality and support to Original Equipment Manufacturers (OEMs) primarily in the industrial, medical, defense and aerospace, automotive, communications networks and cloud solutions sectors. The Sanmina San Jose backplane facility offers customers a comprehensive suite of backplane services from New Product Introduction (NPI), test engineering and DfX to assembly and Chassis-Level System Integration.”*

Sanmina Sponsors: **Venky Alagirisamy**, Plant Manager, NPI/Quick Turn Facility
 Huy Nguyen, Quality Manager, NPI/Quick Turn Facility

Project Goal: The primary goal of this project is to make the electric press more productive. The team is currently using SolidWorks to work closely with mechanical engineers from Sanmina's NPI facility to design a new die. In the next steps, Sanmina will supply the team with a scrap PCB board and connectors to help them understand the challenges that the design must meet. With this help, plan to do experiments and make improvements to a new prototype die. As the project moves forward, they will send Sanmina their final design and prototype to test. This approach is necessary to avoid possible liability issues and make sure that the company is in charge of the testing process. Working together with Sanmina, we are dedicated to finding a safe, effective, and new way to boost the output of the electric press.

* From the www.Sanmina.com website