

Deufol Helps Engineering Students Race to the Finish Line in SAE Engineering Competition

Deufol and engineering students work together to develop working automotive prototype

Sunman, IN ([PRWEB](#)) July 05, 2016 -- With a helping hand from Deufol Sunman, an Indiana-based packaging company, a team of engineering students from Worcester Polytechnic Institute (WPI) in Worcester, MA successfully competed in the prestigious Formula SAE competition in Brooklyn, MI. The 35th annual version of the competition was held from Tuesday, May 10 through Saturday, May 15 at Michigan International Speedway.

The competition is held every year to foster engineering education and innovation and to give students the opportunity to leverage the latest advances in automotive technology. Teams of engineering students are tasked with conceiving, designing, fabricating, and ultimately competing with their own small, formula style vehicle.

The team from WPI had a compelling concept based on data-driven design and systems integration. However, they needed an efficient molding process to build the car's body panels. In September 2015, they turned to the Boston office for Deufol, which then brought in engineers from Deufol's Indiana headquarters.

"We place a tremendous amount of value on the next generation of engineers and we're always excited to use our capabilities to support a team of students," Deufol Sunman CEO Bill Morgan said about the experience.

Deufol's engineers worked with the WPI team to determine the key specifications for the body panel molds. The panels would be built in the school's machining center, so the molds had to align with the resources that WPI had available. For instance, WPI needed molds that could withstand processes like vacuum bagging and epoxy curing.

While there were a few speed bumps along the way, including a much-needed switch from aluminum molds to medium density fiberboard in the middle of the project, Deufol and WPI were able to meet all specifications and successfully complete the project.

Deufol produced 10 molds based on the agreed-upon specifications and shipped those molds to WPI. The WPI team used the molds to complete the panels and the vehicle and successfully raced the finished product in the SAE competition. "We challenge Deufol engineers to break through with great designs no matter what the project," Morgan said. "Helping WPI build a race car was a fun project, we're looking forward to new opportunities to work with them in the future."

About Deufol

Deufol North America, a division of Deufol SE, is an established manufacturer of thermoformed packaging and full service contract packaging – automated and display. In addition, Deufol offers complete inventory and supply chain solutions. This combination of products and services allows Deufol to produce all the components for a packaging project as well as inventory, pack and deliver complete packaged goods for clients. The Sunman packaging facility has been in operation for more than 100 years. Deufol SE is a global packaging provider with 80 locations in 11 different countries across the globe and specializing in industrial and export crating, consumer packaging, value added services, IT solutions and data packaging.



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