Project Overview

Our goal is to develop a reusable tray to hold Instructions For Use (IFUs) to be used in automated dispensing equipment. The tray will be integrated into Dexcom’s fully automated, replacing an existing single use corrugated carton. The tray will be constructed from a PET thermoplastic and allow for seamless flow of IFUs through its opening. Through research, system design, prototyping, and analysis, the team will develop and manufacture a tray that meets all requirements and passes modified package performance testing.

Team T - Dex

Cameron O’Connell  
Design Co-Lead
Brian Peticolas  
Design Co-Lead
Isabella Enciso  
Analysis Lead
Diana Arreola  
Test Lead
Amy Turnlund  
Project Manager

Acknowledgements

T - Dex would like to thank Kenneth Savage, Lenny Barbod, John Jackson, and Luke Brown at Dexcom for aiding us with testing, guidance, and lending us their facilities, Dr. Scott Shaffar at San Diego State University for providing us with advice and guidance, and engineers at Plastic Ingenuity who taught us about design for manufacturing and the advantages of thermoforming.