



Company: Isopure Corporation

Project Title: Isopure Acid Mixer Virtual Reality Training

Project Date: Fall 2018 - Spring 2019

Problem: A manufacturer of medical dialysis water treatment equipment, Isopure, found that the operator error rate for their acid mixer device was nearly 70%. This high rate of error was attributed to an insufficient training program, which failed to capture the end-user's attention and properly convey corrective action steps. Isopure hoped that a virtual reality based program would help to provide a more adequate training experience.

Solution: The Fall 2018 team began by creating a virtual environment including the acid mixer and photos from an actual dialysis clinic water room, along with floating text prompts. The Spring 2019 team completed improvements to the visual aspects of the program and were also able to create a fully interactive simulation, which was enjoyed by all participants during usability testing.

