

Arctos

Case Studies

Enclosure Potting

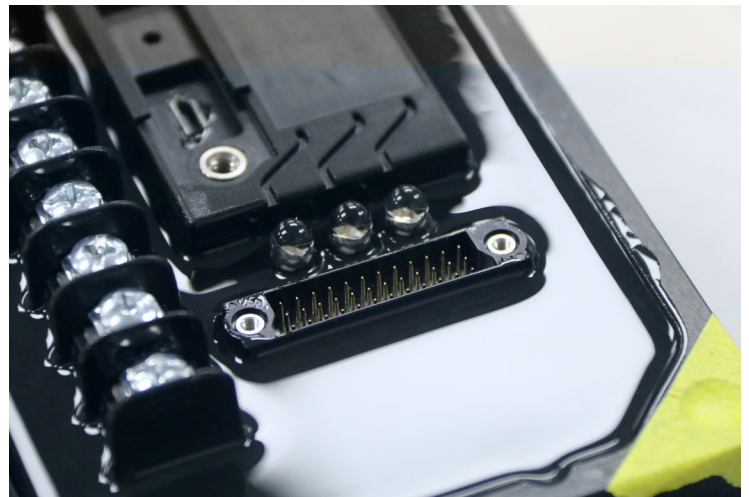
An electric motor manufacturer had a complex enclosure that needed to be potted containing sensitive electronics and 3D printed parts.

Challenge

Our Solution

Arctos worked with sister company, TekRex, to design a process to 3D print, assemble, pot, and test the product. One of the 3D printed parts had both an antenna that was potted to the underside of the part and a threaded insert that was heat staked into the top of the part.

From there, the TekRex team developed a multi-day potting process. At the end of each potting cycle the product was tested via a tester that TekRex designed to ensure that the product was still functioning properly.



Results



The client not only received a high-quality finished product, but also a repeatable process to iterate from. This was due in part to the instructions and video tutorials that were developed by the team.